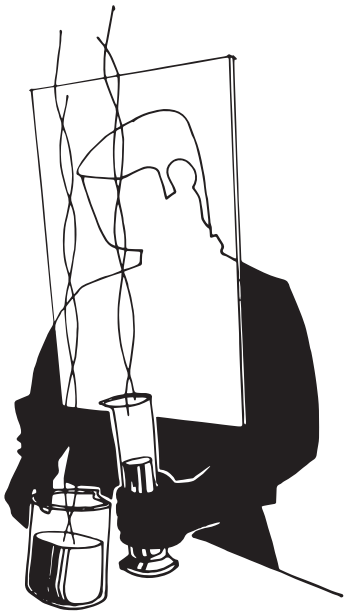
CHEMICAL LISTING

ERLAB'S LIST OF APPROVED CHEMICALS

EDITION #10TH ENGLISH

RETENTION CAPACITIES FOR ERLAB FILTERS

TO PROTECT



Erlab is the inventor and world leader in laboratory-grade chemical filtration products.

This edition of the **Chemical listing booklet** has been developed by **Erlab's R&D laboratory**. It is the **result of 50 years of research and development into filtration technologies** and demonstrates the expertise of Erlab's R&D laboratory in the field of molecular and particulate filtration.

In compliance with **AFNOR NFX 15-211: 2009 Standard**, this booklet is supplied with every Erlab ductless filtering fume hood and includes a full list of chemicals certified by Erlab for handling uses.

You may contact Erlab at any time:

- for information regarding chemicals not listed in this booklet
- to ensure you have the latest copy of this Chemical listing
- if you require information related to the handling of your chemicals

BEFORE YOU START

CHEMICAL AGENTS

Attention

The retention capacities given in this Chemical listing only apply to Erlab filtered fume hoods with modular filtration columns and their filters, manufactured and marketed by Erlab.

Occupational Exposure Limits (OEL) or Threshold Limit Values (TLV) are specific to each chemical and under no circumstances may be applied to chemical agents when used in a combination. The level of protection provided by Erlab filtered fume hoods is dependent upon compliance with each specific usage condition within the hood which can only be guaranteed through the Erlab Safety Program (ESP).

Therefore, the values given in this Chemical listing may alter in accordance with the latest findings regarding the chemicals included in it:

- OEL or TLV values may be reviewed and corrected by government bodies responsible for establishing them.
- Regulations regarding these chemicals (classification, storage, etc.) are updated in accordance with research and health monitoring authorities.
- Improvement in the performance of carbon filters manufactured by Erlab has a direct effect on retention capacities given in this Chemical listing.

Quantities of chemicals handled in the enclosure must not exceed those mentioned in this Chemical listing for enclosures complying with the requirements of class 2 of AFNOR NFX 15-211.

According to AFNOR NFX 15-211: 2009 Standard, only handlings which can be interrupted immediately may be carried out in class 2 enclosures. Therefore, the fume hood filter must be replaced as soon as any chemical is detected downstream of the filter.

The Erlab Safety Program has been set up to guarantee your safety. We would like to remind you that the chemical usage, filter type and method of detection must be validated before this apparatus is used for the first time and each time the application is changed.

Handling CMR Agents (Carcinogenic Mutagenic Reprotoxic)
Strict regulations to protect people exposed to CMR agents at their workstation are laid out by the French Labor Code. These regulations only apply to Category 1A and 1B CMR agents, as Category 2 CMR agents are not governed by these regulations.

Safety regulations are extremely demanding but at the same time pragmatic, in that they suggest alternative solutions allowing in particular the use of filtering hoods, on condition that they reduce exposure to the product to the lowest level possible.

Labor safety code requires that the following measures be taken if CMR agents are present (categories 1A or 1B):

- Regular risk assessment represented by each CMR agent.
- If it is not possible to replace a CMR agent with a non-CMR agent, the CMR agent must be handled in a closed system.
- If it is impossible to use a closed system, exposure to CMR agents must be reduced to the lowest possible levels.
- Work must be stopped when exposure to a CMR agent reaches the occupational exposure limit or TLV.

AFNOR NFX 15-211 sets minimum rules to ensure that a fume hood used by an operator performs at a high level (release into the room at a concentration less than 1% of the occupational exposure limit or TLV).

To avoid interfering with the current laws and regulations, AFNOR NFX 15-211 does not apply to CMR agents Category 1A and 1B. Category 2 CMR agents are governed by AFNOR NFX 15-211.

The purpose of the Labor Code and AFNOR NFX 15-211 is to reduce exposure to the lowest possible level.

AFNOR NFX 15-211: 2009 Standard

The AFNOR NFX 15-211: 2009 Standard was established by the Union de Normalisation de la Mécanique (UNM), composed of a team of experts (INRS, government bodies and professional unions), mandated by AFNOR. This standard applies to filtering fume hoods (also known as recirculating fume cupboards or ETRAF) designed for research work, analysis, teaching, etc. for all laboratories in which chemicals subject to occupational exposure limits (OEL or TLV-TMA) are handled. This text requires performance criteria relating to:

- **Filtration efficiency**
- **Containment efficiency**
- **Air face velocity**

Therefore, a list of approved chemicals for our filters and **a specific user manual must be provided** with filtering fume hoods.

The classes established by the standard

Class 1	Class 2
Filtering fume hood with safety reserve	Filtering fume hood without safety reserve
A main filtering level and a safety filtering level	One level of filtration

Classification according to the type of filtration

	Filtration type according to AFNOR NFX 15-211:2009	Equivalent Erlab filtration type
Particle filtration*	Type P	HEPA
Vapor filtration**	Type V	AS - BE+ - F - K
Particle and vapor filtration**	Type PV	HEPA AS - HEPA BE+ - HEPA F - HEPA K

*: the particle filter must be at least type H14 in accordance with standard NF EN 1822-1
**: vapor filters must undergo two successive tests using cyclohexane and isopropanol for filters designed to capture Volatile Organic Compounds (VOC). Another test designed for acid vapors is performed with hydrochloric acid.

Filtration efficiency (see description of the test method on page 8)

Filtration efficiency is defined by the capacity of the filter to capture dangerous molecules handled inside the enclosure and determines the quality of air filtered downstream of the filter.

	Class 1	Class 2
Normal operating phase	Normal operating phase during which the concentration downstream of the filters must be less than 1% of the OEL	
Detection phase	Detection phase during which the concentration downstream of the filters must be less than 1% of the OEL and during which the automatic saturation detector must alert the user	Detection phase during which the concentration downstream of the filters must be less than 50% of the OEL
Safety phase	Safety phase during which the concentration downstream of the filters must be less than 50% of the OEL, and that must not be less than 1/12 of the duration of the normal operating phase	

For class 2, the quantity of chemicals handled in the hood cannot exceed 1/8 of the filter retention capacity of chemicals.

Enclosure containment efficiency

Containment efficiency is determined by the ability of the hood to keep the fumes or particles inside the enclosure preventing their release into the laboratory environment.

To prove this efficiency, a test is performed according to the protocol described in the AFNOR NFX 15-211.

Test procedure: SF_6 tracer gas (sulfur hexafluoride) is released into the enclosure and a grid holding sensors is placed opposite the handling ports. Samples are then taken on the grid.

On the basis of gas concentrations released and samples taken that will allow the average exposure of an operator to this tracer gas to be calculated, it is possible to establish a level of containment performance for the fume hood. The containment threshold set by standard AFNOR NFX 15-211: 2009 imposes a maximum SF_6 concentration level of 0.1 ppm at the measuring points on the grid.

Air face velocity

Air face velocity is described as the ability of the hood to create a dynamic barrier between the operator and the handling.

For fume hoods with fixed front panels, the air face velocity at all of the openings must be between 0.4 and 0.6 m/s. Therefore, they must be equipped with a device to continuously monitor ventilation which is also an indicator of good containment.

Erlab Molecular filters

Quality design

Erlab guarantees that users of our filtering fume hoods and storage cabinets are working with a high quality product composed of the following:

- Each filter is designed so that the density of the carbon within it remains constant over time (US patent 4946480).
- Total control of negative wall effects (US patent 4946480).
- A stable, uniform adsorption column.
- Each filter is packaged in a sealed plastic bag identified by a serial number and manufacture date to guarantee it is in perfect working condition upon delivery.

Compliance with filtration standards

The design of our filters guarantees total protection. Inspired in part by military-type gas mask technology, our filters have been subject to rigorous testing and meet all safety requirements set forth by the following filtration standards:

- ASTM (American Standard Test Method) standard: This standard pertains to carbon as a raw material used in the design of filtration cartridges. It is an evaluation standard that pertains only to the quality of the raw material. It thus allows Erlab to select high-performance carbons.
- AFNOR (French standardization organization) standard NF X 15-211:This standard guarantees the filtration performance of the filters used in our units. It sets forth requirements regarding the air quality downstream from the filter. This level of quality is proven through tests carried out by an independent laboratory, these tests demonstrate the filtration quality of our filters.

Types of filters available for all of our product lines

The type of filter recommended is specific to the type of chemicals being handled and allows users to benefit from high retention capacities for the following:

Type of Filter	For Use With
BE+	Inorganic acids and Solvent vapors
AS	Organic vapors
F	Formaldehyde vapors
K	Ammonia vapors
HP	HEPA H14 for powders
Prefilter	Hepa H14 or BE+, AS, F, K

Erlab filter performance tests

Erlab filters are subject to performance tests conducted in accordance to the requirements of the AFNOR NFX 15-211: 2009 Standard. The results of the tests given in this list of approved chemicals demonstrates the technological performance developed by Erlab.

The fume hood that the tests were performed in was fitted with new filters and installed in a closed space. The chemical used for the test was evaporated in the fume hood to give a constant concentration during all operating phases stated in the standard.

The three chemicals selected for the Erlab filter performance tests were:

- Isopropanol
- Cyclohexane
- Hydrochloric acid

The concentration of the chemical downstream of the filtration system was checked at least three times per hour during all the filtering fume hood operating phases and was expressed in ppm by volume.

The maximum values of the reference chemicals are given in the list of approved chemicals provided with every Erlab filtered fume hood.

The test was performed in 8 hour sequences, 16 hours apart.

The Analyzers

Whatever the chemical being tested, the analysis procedure was adapted so as to obtain a detection threshold of less than 1% of the occupational exposure level or TLV.

The procedure can be one of those described below or any other equivalent method:

- The concentrations of hydrochloric acid in the air were sampled by capturing a known volume of air on a cartridge impregnated with a buffer solution of $Na_2CO_3/NaHCO_3$. The samples prepared in this way were analyzed by ion chromatography (IC).
- The concentrations of organic gas were sampled by capturing a known volume of air on a cooled cartridge of adsorbent Tenax and active carbon. The samples prepared in this way were analyzed by gas chromatography (GC-FID) after thermal desorption.

The sample prepared in this way was then desorbed by a solution of carbon disulphide (CS_2) before being analyzed using a gas chromatograph (GC) equipped with a suitable detector (FID).

Test procedure

The tests were carried out at (20 ± 2) °C with a relative humidity between 40% and 70%.

The filtering fume hood being tested was placed in a closed test enclosure with an interior volume between 10 and 50 times the internal volume of the filtering fume hood.

The difference between the temperature inside the filtering fume hood and the temperature of the test enclosure must not exceed 5°C.

The chemical used for the test was introduced using a peristaltic pump, drop by drop, into a heated recipient in the center of the worktop in the filtering fume hood being tested. The system was set so as to produce the desired concentration to more or less 10% in the filtering fume hood for the whole duration of the test.

When necessary, the recipient was heated to slightly more than the boiling point of the test chemical in order to ensure instant evaporation.

Diagram of the test assembly
(Evaporation and air sampling principle)

The air is sampled in three zones according to a procedure to be adapted according to the measurement protocol adopted:

- Zone 1: During the whole test, air is regularly sampled 30 cm downstream of the filtering system to check the purifying performance of the filtering fume hood being tested.
- Zone 2: As soon as the test begins, (when the evaporation concentration is stable) the air is sampled inside the fume hood, 30 cm upstream of the filtering system to check that the concentration released before the filters has evaporated.
- Zone 3: A few minutes after the beginning of the test, the air is sampled in the breathing zone to check that the concentration is less than 1% of TLV.

All of the necessary precautions must be taken during the test to avoid anything affecting the air samples between the sampling zone and the analyzer. Sampling must be carried out so as to provide a measurement result that is representative of the air analyzed (e.g. by using multipoint sampling grids).

Normal operating phase

The concentration of the chemical used for the test downstream of the filter must not exceed 1% of the authorized Occupational Exposure Limit or TLV. The evaporation must last for the entire quantity of the chemical considered (given in the list of approved chemicals supplied by Erlab)

Detection phase

The concentration of the chemical used for the test downstream of the filter must not exceed 1% of the authorized Occupational Exposure Limit for class 1 filtering fume hoods and 50% of the authorized occupational exposure limit for class 2 filtering fume hoods.

Safety phase (for class 1 apparatus)

The concentration of the chemical used for the test downstream of the filter must not exceed 50 % of the authorized Occupational Exposure Limit. This phase must not be less than 1/12 of the duration of the normal operating phase.

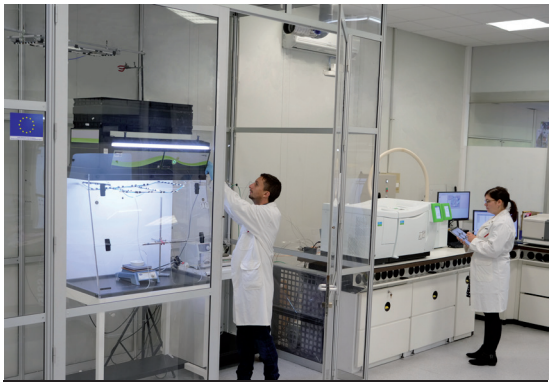
Filtration test reports

The test report for each test performed must indicate:

- the reference of the test (name of the laboratory performing the test and date completed)
- the volume of the test enclosure that the filtering fume hood is placed in, the type and the reference of the filtering fume hood being tested
- the type and reference of the filtering fume hood being tested
- the type and reference of the filter(s) in the filtering fume hood being tested
- the nature of the chemical used for the test

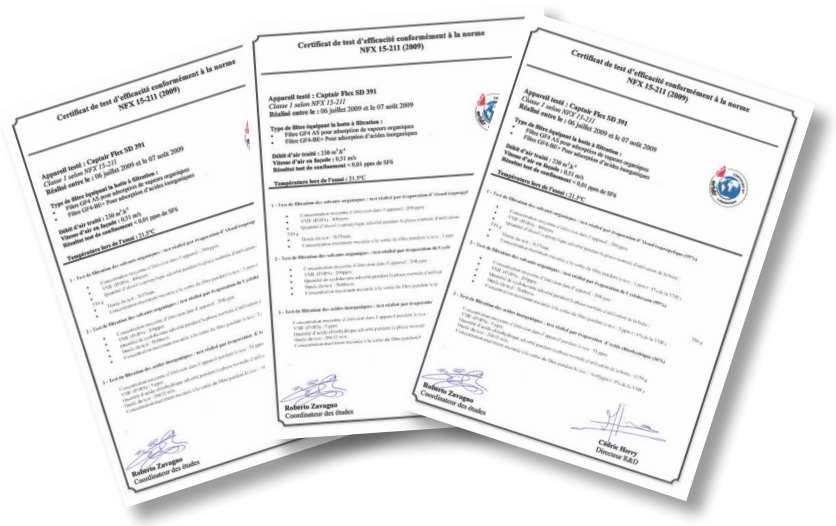
The report for each phase of the test must indicate:

- Duration in hours
- Weight of the chemical(s)
- The concentration of the chemical used for the test in ppm by volume of air extracted.



Erlab's research and filtration testing laboratory

Efficiency test certificate



The retention capacities recorded during the tests demonstrates the technological performance developed by Erlab.

These results guarantee users of Erlab filtration products the highest level of protection.

Example of a test performed on a Captair Smart 714 fume hood, equipped with class 1 BE+ filters.

Isopropanol	Cyclohexane	HCl (37%)
2480 g	3544 g	8812 g

The Erlab Difference - Our commitment to your safety

The air exhausted from our filters is so pure that we guarantee your safety. We make this guarantee because the following ingredients are built into every product - without all of them, your health and safety are compromised.

~ Stéphane Hauville
President & CEO

We need to be the best to keep you safe.

We invest in a state-of-the-art lab with top-notch engineers and chemists that are experts in molecular filtration with access to sophisticated analytical equipment that allows us to determine and optimize the retention capacity of our filters.

We continually work to ensure that our products are safe, improve the quality and technology of our products, and develop new products to offer greater protection for laboratory personnel.

Chemical Assessment for your chemical handlings

Assurance that a ductless hood is safe for you. We won't sell a hood without verifying that it is right for your chemical handlings. Your specific chemical handlings are analyzed by our in-house test laboratory. We determine if your chemical handlings can be done safely using our hood and filters. If yes, we let you know the most efficient filter type that is needed, the filter lifetime, and the best method to detect saturation.

We must be liable for your safety.

Certificate of validation

It is important to know what chemicals your hood can handle. A certificate that gives the precise details of the chemicals to be used, the filter type, and an estimation of the filter life expectancy is provided. This informs the user which chemicals are approved for use in the hood.

We must put it in writing.

Erlab Services

It is important that a safety specialist from the manufacturer regularly follows up with you to be sure the hood is in proper working order, check if any chemicals used in the hood have changed, and inform you when your filters need replacement.

We guarantee your safety for life.

Definitions of the column headings

The content of the various lists of chemicals given in this Chemical listing may differ from one table to another according to the relevance of the information linked to a specific chemical.

Chemical name: standard name or brand name of the chemical. For chemical names followed by an ®, the brand names have been registered by their owners

Formula: empirical chemical formula

CAS number (Chemical Abstract Standard Number): unique registration number of a chemical given by the American Chemical Society.

Suitable filter: the type of Erlab filter suitable for handling the chemical and/or providing the highest retention capacity:

- AS: Organic vapors
- BE+: Inorganic acids and Solvent vapors
- F: Formaldehyde vapors
- K: Ammonia vapors
- HEPA: Powders 0.1 micron or higher
- PF: Prefilter to protect Hepa and/or Molecular Filters

1C column type: filter retention capacity for the chemical, expressed in grams, during the normal operating phase described in AFNOR NFX 15-211: 2009, class 2

2C column type: filter retention capacity for the chemical, expressed in grams, during the normal operating phase described in AFNOR NFX 15-211: 2009, class 1

VP (Vapor Pressure):: saturation vapor pressure at room temperature. Temperature is given in the corresponding box if data is not given at room temperature

MM: molar mass

Boiling point: The highest temperature a substance can reach before evaporating freely, expressed in °C at a pressure of 1 atmosphere

NIOSH 8h: American average limit values established by the National Institute for Occupational Safety and Health

France 8h: French average limit values established by the French Labour Ministry and published by the French INRS

AGS 8h: German average limit values established by the Deutsche Forschungsgemeinschaft

DFG 8h: German average limit values established by the Ausschuss für Gefahrstoffe

Japan 8h : Japanese average limit values established by the Japan Society for Occupational Health

China 8h: Chinese average limit values established by the GBZ 2.1-2007 – Occupational exposure limits for hazardous agent in the workplace

UK 8h: United Kingdom limit values established by the Health and Safety Executive.

European union 8h: European average limit values established by the Scientific Committee for Occupational Exposure Limits to Chemical Agents.

Detection:

- Manual method of detection involving sampling the air in the detection chamber and analyzing it using a colorimetric detection tube. Please refer to the various manufacturer catalogs to ensure that the fields of analysis of the tubes are able to detect the concentrations allowing a result to be obtained that corresponds to the thresholds set by AFNOR NFX 15-211:2009. The box is checked if the tube exists.
- Sensor: Automatic method of detection. This equipment is required by class 1 of AFNOR NFX 15-211. The box is checked if the alarm can detect the relevant chemical. 3 versions of sensors are available : A for acids, F for formaldehyde and S for VOC (Volatile Organic Compounds).

Notes

Chemical agents by alphabetical order

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
1, 4-DIOXANE	C4H8O2	123-91-1	AS	660	1265	4.95 kPa	88	101
1,1,1-TRICHLOROETHANE	C2H3Cl3	71-55-6	AS	700	900	16.5 kPa	133	74
1,1,2,2-TETRABROMOETHANE	C2H2Br4	79-27-6	AS	2500	3900	0.003 kPa	346	239
1,1,2,2-TETRACHLOROETHANE	C2H2Cl4	79-34-5	AS	900	2590	0.622 kPa	168	146
1,1'-BIPHENYL-4,4'-DIAMINE	C8H16N2	92-87-5	AS	510	640	Low	184,3	400
1,1-DICHLOROETHANE	C2H4Cl2	75-34-3	AS	275	380	30.5 kPa	98	57
1,2-DIBROMOETHANE	C2H4Br2	106-93-4	AS	1800	3900	1.55 kPa	188	131
1,2-DICHLOROBENZENE	C6H4Cl2	95-50-1	AS	1255	2550	0.18 kPa (125°C)	147	180
1,2-DICHLOROETHANE	C2H4Cl2	107-06-2	AS	700	880	10.6 kPa	99	83
1,2-DICHLOROETHYLENE	C2H2Cl2	540-59-0	AS	400	525	44.2 kPa	96	59
1,2-EPOXY-3-ISOPROPOXYPROPANE	C6H12O2	4016-14-2	AS	990	1490	1.2 kPa	116	127
1,2-ETHANEDIOL	C2H6O2	107-21-1	AS	700	930	0.010 kPa	66	198
1,3-BUTADIENE	C4H6	106-99-0	AS	20	50	120 kPa (0°C)	54	-4,5
1,3-CYCLOPENTADIENE	C5H6	542-92-7	AS	410	700	58.5 kPa	66	42
1,3-DICHLOROPROPENE	C3H4Cl2	542-75-6	AS	800	1315	3.73 kPa	110	103
1,3-DICHLOROPROPYLENE	C3H4Cl2	542-75-6	AS	800	1315	3.73 kPa	110	103
1,3-DIOXOLANE	C3H6O2	646-06-0	AS	720	820	14.6 kPa	74	78
1,3-DIVINYLBENZENE	C10H10	1321-74-0	AS	855	1250	0.087 kPa	130	200
1-AMINOBUTANE	C4H9NH2	109-73-9	AS	110	380	12.2 kPa	73	78
1-AMINOPROPANE	C3H9NO	107-10-8	AS	200	320	42.1 kPa	75	180
1-BUTANETHIOL	C4H10S	109-79-5	AS	0	130	6.07 kPa	90,19	97
1-BUTANOL	C4H10O	71-36-3	AS	750	1400	0.86 kPa	74	117,5
1-CHLORO BUTANE	C4H9Cl	109-69-3	AS	500	1090	13.7 kPa	92	78,5
1-CHLORO-2,3-EPOXYPROPANE	C3H5ClO	106-89-8	AS	400	1040	2.20 kPa	93	115
1-MERCAPTOBUTANE	C4H10S	109-79-5	AS	0	130	6.07 kPa	90	97
1-METHYL-2-PYRROLIDINONE	C5H9NO	872-50-4	AS	855	1250	0.04 kPa	99	202

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	20 ppm	20 ppm	20 ppm	10 ppm	70 mg/m³	25 ppm	-	X	S
-	100 ppm	200 ppm	200 ppm	200 ppm	900 mg/m³	-	-	X	
-	1 ppm	-	-	-	-	0,5 ppm	-	X	
1 ppm	1 ppm	1 ppm	1 ppm	1 ppm	-	-	-		
-	0,001 ppm	-	-	-	-	-	50 ppm	X	S
100 ppm	100 ppm	100 ppm	100 ppm	100 ppm	-	-	100 ppm	X	S
-	-	-	-	-	-	0,5 ppm	-	X	S
-	20 ppm	10 ppm	10 ppm	25 ppm	50 mg1/m3	25 ppm	20 ppm	X	
1 ppm	10 ppm	-	-	10ppm	7 mg/m³	5 ppm	-	X	S
200 ppm	-	200 ppm	200 ppm	150 ppm	800 mg/m³	-	-	X	S
-	50 ppm	-	-	-	-	50 ppm	-		
-	20 ppm	10 ppm	10 ppm	-	20 mg/m³	20 ppm	-	X	S
0,19 ppm	-	2 ppm	-	-	5 mg/m³	10 ppm	-	X	S
75 ppm	75 ppm	-	-	-	-	-	-		S
1 ppm	-	-	-	-	4 mg/m³	-	-	X	S
1 ppm	-	-	-	-	4 mg/m³	-	-	X	S
-	-	100 ppm	100 ppm	-	-	-	-		
10 ppm	-	-	-	-	50 mg/m³	10 ppm	-	X	S
-	-	-	2 ppm	-	-	-	-	X	S
-	-	-	-	-	-	-	-	X	
-	0,5 ppm	0,5 ppm	0,5 ppm	-	2 mg/m³	-	-	X	S
-	-	100 ppm	100 ppm	25 ppm	100 mg/m³	-	-	X	S
-	-	25 ppm	-	-	-	-	-		
-	-	2 ppm	-	-	1 mg/m³	0,5 ppm	-	X	
-	0,5 ppm	0,5 ppm	0,5 ppm	-	2 mg/m³	-	-	X	S
-	10 ppm	20 ppm	20 ppm	1 ppm	-	10 ppm	10 ppm		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
1-PROPANETHIOL	C3H8S	107-03-9	AS	0	65	20.6 kPa	76,2	67
1-PROPANOL	C3H8O	71-23-8	AS	600	695	2.76 kPa	60	97
2, 2'-DICHLORODIETHYL ETHER	C4H8OCl2	111-44-4	AS	275	410	0.143 kPa	143	179
2, 4-DIMETHYL PENTANE	C7H16	108-08-7	AS	630	765	36.6 kPa	100	80,5
2,4-DIMETHYL-3-PENTANONE	C7H14O	565-80-0	AS	900	1215	6.87 kPa	114	124
2,6-DIMETHYL-4-HEPTANONE	C9H18O	108-83-8	AS	900	1215	0.23 kPa	142	166
2-AMINO 1-PROPANOL	C3H9NO	35320-23-1	AS	200	320	0.1 kPa	75	180
2-AMINO BUTANE	C4H9NH2	13952-84-6	AS	95	350	23 kPa	73	63
2-AMINO PYRIDINE	C5H6N2	504-29-0	AS	910	1400	0.11 kPa	94	211
2-AMINOETHANOL	C2H7NO	141-43-5	AS	180	300	0.050 kPa	61	171
2-AMINOPROPANE	C3H9N	75-31-0	AS	130	195	78 kPa	59	34
2-BUTANOL	C4H10O	78-92-2	AS	705	1160	2.32 kPa	74	99,5
2-BUTANONE	C4H8O	78-93-3	AS	720	820	12.6 kPa	72	80
2-BUTENAL	C4H6O	4170-30-3	AS	600	825	4.92 kPa	70	102
2-BUTOXYETHANOL	C6H14O2	111-76-2	AS	1405	1785	16.5 kPa	118	164
2-CHLOROACETALDEHYDE	C2H3OCl	107-20-0	AS	400	620	13.3 kPa	78	90
2-CHLOROETHANAL	C2H3OCl	107-20-0	AS	400	620	13.3 kPa	78	90
2-CHLOROETHANOL	C2H5OCl	107-07-3	AS	800	1200	4.45 kPa (50°C)	81	129
2-CHLOROETHYL ALCOHOL	C2H5OCl	107-07-3	AS	800	1200	4.45 kPa (50°C)	81	129
2-CHLOROPROPYLENE OXIDE	C3H5OCl	106-89-8	AS	400	1040	2.20 kPa	93	115
2-ETHOXY ACETATE	C6H12O3	111-15-9	AS	835	1265	0.24 kPa	132	157
2-ETHOXYETHANOL	C4H10O2	110-80-5	AS	765	1140	0.71 kPa	90	135
2-ETHYL-1-HEXANOL	C8H18O	104-76-7	AS	855	1250	0.019 kPa	130	190
2-FURYLMETHANOL	C5H6O2	98-00-0	AS	910	1395	0.097 kPa	98	170
2-HEPTANONE	C7H14O	110-43-0	AS	900	1350	0.49 kPa	114,9	149
2-HEXANONE	C6H12O	591-78-6	AS	655	1240	1.54 kPa	100	127
2-HYDROXYMETHYLFURAN	C5H6O2	98-00-0	AS	910	1395	0.097 kPa	98	170
2-METHYL-1,3-BUTADIENE	C5H8	78-79-5	AS	270	640	73.4 kPa	68	34
2-METHYL-1-PROPANOL	C4H10O	78-83-1	AS	855	1285	1.39 kPa	74	108
2-METHYLBUTANE	C5H12	78-78-4	AS	370	560	91.7 kPa	72	28

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
0,3 ppm	-	-	-	-	-	-	-		
200 ppm	200 ppm	-	-	-	200 mg/m³	-	-	X	S
5 ppm	5 ppm	10 ppm	10 ppm	-	-	-	-		S
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
25 ppm	25 ppm	-	-	-	145 mg/m³	25 ppm	-	X	S
-	-	-	-	-	-	-	-		
-	-	-	2 ppm	-	-	-	-	X	S
0,5 ppm	0,5 ppm	-	-	-	2 mg/m³	-	-		
3 ppm	1 ppm	2 ppm	2 ppm	-	8 mg/m³	1 ppm	-	X	
-	5 ppm	5 ppm	5 ppm	-	12 mg/m³	-	-	X	
100 ppm	100 ppm	-	-	100 ppm	-	100 ppm	-	X	S
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	300 mg/m³	-	200 ppm	X	S
-	2 ppm	-	-	-	-	-	-		S
5 ppm	10 ppm	10 ppm	10 ppm	25 ppm	-	25 ppm	-		S
-	-	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		S
-	-	1 ppm	1 ppm	-	-	-	-		
-	-	1 ppm	1 ppm	-	-	-	-		
-	-	2 ppm	-	-	1 mg/m³	0,5 ppm	-	X	
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	30 mg/m³	10 ppm	-	X	S
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	18 mg/m³	10 ppm	-		S
-	-	10 ppm	10 ppm	-	-	-	-		
10 ppm	10 ppm	-	-	5 ppm	40 mg/m³	-	-		S
100 ppm	50 ppm	238 mg/m³	-	-	-	50 ppm	-		S
1 ppm	5 ppm	5 ppm	5 ppm	5 ppm	20 mg/m³	-	-		S
10 ppm	10 ppm	-	-	5 ppm	40 mg/m³	-	-		S
-	-	3 ppm	3 ppm	-	-	-	-		S
50 ppm	50 ppm	100 ppm	100 ppm	50 ppm	-	-	-	X	S
120 ppm	-	1000 ppm	1000 ppm	-	500 mg/m³	-	1000 ppm	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
2-METHYLPROPYL ACETATE	C6H12O2	110-19-0	AS	1170	1450	2.39 kPa	116	117
2-METHYLPROPYL ESTER OF ACETIC ACID	C6H12O2	110-19-0	AS	1170	1450	2.39 kPa	116	117
2-PENTANONE	C5H10O	107-87-9	AS	855	1250	4.97 kPa	86,13	101
2-PHENYL PROPANE	C9H12	98-82-8	AS	1055	1480	0.61 kPa	120	152
2-PROPANOL	C3H8O	67-63-0	AS	500	625	6.02 kPa	60	83
2-PROPANONE	C3H6O	67-64-1	AS	240	300	30.8 kPa	58	56,5
2-PROPEN-1-OL	C3H6O	107-18-6	AS	475	565	3.14 kPa	58	97
2-PROPENAL	C3H4O	107-02-8	AS	90	200	36.2 kPa	56	53
2-PROPENAMIDE	C3H5NO	79-06-1	HEPA	-	-	0.014 kPa (75°C)	71,1	125
2-PROPENENITRILE	C3H3N	107-13-1	AS	190	405	11.3 kPa	53	77
2-PROPENOIC ACID	C3H4O2	79-10-7	AS	1080	1700	2.45 kPa (50°C)	72	142
2-PROPENOL	C3H6O	107-18-6	AS	475	565	3.14 kPa	58	97
2-PROPYL ACETATE	C5H10O2	108-21-4	AS	1115	1310	5.59 kPa	102	88
2-PROPYLAMINE	C3H9N	75-31-0	AS	130	195	78 kPa	59	34
2-PROPYN-1-OL	C3H4O	107-19-7	AS	460	625	1.59 kPa	56	113
2-PROPYNYL ALCOHOL	C3H4O	107-19-7	AS	460	625	1.59 kPa	56	113
3-AMINO-1-PROPANOL	C3H9NO	156-87-6	AS	200	320	0.04 kPa	75	184
3-CHLORO-1-PROPENE	C3H5Cl	107-05-1	AS	320	385	76.5 kPa	76	45
3-CRESOL	C7H8O	108-39-4	AS	935	1315	0.019 kPa	108,14	203
3-HYDROXYTOLUENE	C7H8O	108-39-4	AS	935	1315	0.019 kPa	108,14	203
3-METHOXY-3-METHYL-1-BUTANOL	C6H14O2	56539-66-3	AS	1253	1261	0.125 kPa	118	173
3-METHYL PHENOL	C7H8O	108-39-4	AS	935	1315	0.019 kPa	108,14	203
3-METHYL-1-BUTANOL	C5H12O	123-51-3	AS	855	1285	0.315 kPa	88	132
3-METHYL-3-PENTEN-2-ONE	C6H10O	565-62-8	AS	710	1815	2 kPa	98	130
3-OCTANONE	C8H16O	106-68-3	AS	700	930	0.286 kPa	128,21	167
3-PENTANONE	C5H10O	96-22-0	AS	900	1255	4.72 kPa	86	102
4,4'-BIANILINE	C8H16N2	92-87-5	AS	510	640	Low	184,3	400
4,4'-BIPHENYLDIAMINE	C8H16N2	92-87-5	AS	510	640	Low	184,3	400

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
150 ppm	150 ppm	62 ppm	100 ppm	150 ppm	-	150 ppm	-	X	S
150 ppm	150 ppm	62 ppm	100 ppm	150 ppm	-	150 ppm	-	X	S
150 ppm	200 ppm	-	-	-	-	200 ppm	-	X	S
50 ppm	20 ppm	10 ppm	10 ppm	-	-	25 ppm	20 ppm	X	S
400 ppm	-	200 ppm	200 ppm	400 ppm	350 mg/m³	-	-	X	S
250 ppm	500 ppm	500 ppm	500 ppm	750 ppm	300 mg/m³	-	-	X	S
2 ppm	0,2 ppm	2 ppm	-	-	2 mg/m³	2 ppm	-		S
0,1 ppm	-	0,09 ppm	-	-	-	0,1 ppm	-	X	
0,03 mg/m³	0,1 ppm	0 ,07 mg/m³	-	0,1 mg/m³	0,3 mg/m³	0,3 mg/m³	-		
1 ppm	2 ppm	1,2 ppm	-	2 ppm	1 mg/m³	2 ppm	-	X	
2 ppm	2 ppm	10 ppm	10 ppm	-	6 mg/m³	-	10 ppm	X	
2 ppm	0,2 ppm	2 ppm	-	-	2 mg/m³	2 ppm	-		S
-	250 ppm	-	100 ppm	250 ppm	-	-	-	X	S
-	5 ppm	5 ppm	5 ppm	-	12 mg/m³	-	-	X	
1 ppm	1 ppm	2 ppm	2 ppm	-	-	1 ppm	-		
1 ppm	1 ppm	2 ppm	2 ppm	-	-	1 ppm	-		
-	-	-	-	-	-	-	-		
1 ppm	1 ppm	-	-	-	2 mg/m³	-	-	X	S
2,3 ppm	-	-	-	-	-	5 ppm	-		
2,3 ppm	-	-	-	-	-	5 ppm	-		
-	-	-	-	-	-	-	-		S
2,3 ppm	-	-	-	-	-	5 ppm	-		
100 ppm	100 ppm	-	20 ppm	100 ppm	-	100 ppm	-	X	S
-	-	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		S
200 ppm	200 ppm	-	-	-	700 mg/m³	200 ppm	5 ppm		S
-	0,001 ppm	-	-	-	-	-	50 ppm	X	S
-	0,001 ppm	-	-	-	-	-	50 ppm	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
4,4'-DIAMINOBIPHENYL	C8H16N2	92-87-5	AS	510	640	Low	184,3	400
4-AMINOTOLUENE	C7H9N	106-49-0	AS	145	387,5	1.74 kPa	107,2	200
4-CRESOL	C7H8O	106-44-5	AS	935	1315	0.017 kPa	108,14	202
4-HYDROXYTOLUENE	C7H8O	106-44-5	AS	935	1315	0.017 kPa	108,14	202
4-METHYL 2-PENTANONE	C6H12O	108-10-1	AS	825	1310	2.64 kPa	100	116
4-METHYLANILINE	C7H9N	106-49-0	AS	145	387,5	1.74 kPa	107,2	200
4-TERT-BUTYL TOLUENE	C11H16	98-51-1	AS	720	1300	0.090 kPa	148,24	193
5-METHYL-3-HEPTANONE	C2H6O2	541-85-5	AS	700	930	0.27 kPa	138	157
ABSOLUTE ALCOHOL	C2H6O	64-17-5	AS	120	220	7.87 kPa	46	78
ACETALDEHYDE	C2H4O	75-07-0	AS	10	55	120 kPa	44	20
ACETIC ACID	C2H4O2	64-19-7	AS	945	1610	2.07 kPa	60	118
ACETIC ANHYDRE	C4H6O3	108-24-7	AS	1265	1900	0.68 kPa	102	140
ACETIC OXIDE	C4H6O3	108-24-7	AS	1265	1900	0.68 kPa	102	140
ACETONE	C3H6O	67-64-1	AS	240	300	30.8 kPa	58	56,5
ACETONITRILE	C2H3N	75-05-8	AS	150	240	11.9 kPa	41	82
ACETYLENE	C2H2	74-86-2	AS	0	40	4400 kPa	26	-84
ACETYLENE DICHLORIDE	C2H2Cl2	540-59-0	AS	400	525	44.2 kPa	96	59
ACETYLENE TETRABROMIDE	C2H2Br4	79-27-6	AS	2500	3900	0.003 kPa	346	151
ACETYLENE TETRACHLORIDE	C2H2Cl4	79-34-5	AS	900	2590	0.622 kPa	168	146
ACETYLSALICYCLIC ACID	C9H8O4	50-78-2	HEPA	-	-	-	180,2	-
A-CHLOROTOLUENE	C7H7Cl	100-44-7	AS	560	2120	0.164 kPa	127	179
ACROLEIC ACID	C3H4O2	79-10-7	AS	1080	1700	2.45 kPa (50°C)	72	142
ACROLEIN	C3H4O	107-02-8	AS	90	200	36.2 kPa	56	53
ACRYLAMIDE	C3H5NO	79-06-1	HEPA	-	-	0.014 kPa (75°C)	71,1	125
ACRYLIC ACID	C3H4O2	79-10-7	AS	1080	1700	2.45 kPa (50°C)	72	142
ACRYLIC ALDEHYDE	C3H4O	107-02-8	AS	90	200	36.2 kPa	56	53
ACRYLONITRILE	C3H3N	107-13-1	AS	190	405	11.3 kPa	53	77
ALCOHOL	C2H6O	64-17-5	AS	120	220	7.87 kPa	46	78

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	0,001 ppm	-	-	-	-	-	50 ppm	X	S
-	-	-	-	-	-	-	-		
2,3 ppm	-	-	-	-	-	5 ppm	-		
2,3 ppm	-	-	-	-	-	5 ppm	-		
50 ppm	20 ppm	20 ppm	20 ppm	50ppm	-	50 ppm	-	X	S
-	-	-	-	-	-	-	-		
10 ppm	10 ppm	-	-	-	6 mg/m³	-	-		S
25 ppm	10 ppm	10 ppm	10 ppm	-	130 mg/m³	-	-		
1000 ppm	1000 ppm	500 ppm	500 ppm	-	-	-	-	X	S
18 ppm	100 ppm	50 ppm	50 ppm	50 ppm	-	-	-	X	S
10 ppm	-	10 ppm	10 ppm	-	10 mg/m³	-	-	X	S
-	-	5 ppm	5 ppm	-	16 mg/m³	0,5 ppm	-	X	S
-	-	5 ppm	5 ppm	-	16 mg/m³	0,5 ppm	-	X	
250 ppm	500 ppm	500 ppm	500 ppm	750 ppm	300 mg/m³	-	-	X	S
20 ppm	40 ppm	20 ppm	20 ppm	-	30 mg/m³	-	40 ppm	X	S
2500 ppm	-	-	-	-	-	-	-	X	
200 ppm	-	200 ppm	200 ppm	150 ppm	800 mg/m³	-	-	X	S
-	1 ppm	-	-	-	-	0,5 ppm	-	X	
1 ppm	1 ppm	1 ppm	1 ppm	1 ppm	-	-	-		
5 mg/m³ inhalable aerosol	-	-	-	-	5 mg/m³	-	-		
-	1 ppm	-	-	-	-	0,5 ppm	-	X	S
2 ppm	2 ppm	10 ppm	10 ppm	-	6 mg/m³	-	10 ppm	X	
0,1 ppm	-	0,09 ppm	-	-	-	0,1 ppm	-	X	
0,03 mg/m³	0,1 ppm	0 ,07 mg/m³	-	0,1 mg/m³	0,3 mg/m³	0,3 mg/m³	-		
2 ppm	2 ppm	10 ppm	10 ppm	-	6 mg/m³	-	10 ppm	X	
0,1 ppm	-	0,09 ppm	-	-	-	0,1 ppm	-	X	
1 ppm	2 ppm	1,2 ppm	-	2 ppm	1 mg/m³	2 ppm	-	X	
1000 ppm	1000 ppm	500 ppm	500 ppm	-	-	-	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
ALLYL ALCOHOL	C3H6O	107-18-6	AS	475	565	3.14 kPa	58	97
ALLYL ALDEHYDE	C3H4O	107-02-8	AS	90	200	36.2 kPa	56	53
ALLYL CHLORIDE	C3H5Cl	107-05-1	AS	320	385	76.5 kPa	77	44,5
ALLYLENE	C3H4	74-99-7	AS	0	20	145 kPa (-25°C)	40	-23
ALLYLGLYCIDYLETHER	C6H10O2	106-92-3	AS	1040	1910	1.77 kPa (50°C)	114	154
ALLYLIC ALCOHOL	C3H6O	107-18-6	AS	475	565	3.14 kPa	58	97
ALUMINA	Al2O3	1344-28-1	PF + Hepa or BE+, AS, K, F	-	-	1 Pa (1209°C)	101,96	2980
ALUMINIUM	Al	7429-90-5	PF + Hepa or BE+, AS, K, F	-	-	-	27	2327
ALUMINUM OXIDE	Al2O3	1344-28-1	PF + Hepa or BE+, AS, K, F	-	-	1 Pa @ 1209°C	101,96	2980
ALUMINUM TRIOXIDE	Al2O3	1344-28-1	PF + Hepa or BE+, AS, K, F	-	-	1 Pa (1209°C)	101,96	2980
AMINO-BENZENE	C6H5NH2	62-53-3	AS	910	1620	0.09 kPa	93	184
AMINOCYCLOHEXANE	C6H11NH2	108-91-8	AS	380	525	1.2 kPa	99	135
AMINOETHANE	C2H7N	75-04-7	AS	15	95	116 kPa	45	17
AMINOMETHANE	CH5N	74-89-5	AS	15	30	353 kPa	31	-7
AMMONIA	NH3	7664-41-7	K	255	320	1003 kPa	17	-33
AMMONIUM CHLORIDE	NH4Cl	12125-02-9	PF + Hepa or BE+, AS, K, F	-	-	0.13 kPa	53,49	-
AMMONIUM CHLORIDE FUME	NH4Cl	12125-02-9	PF + Hepa or BE+, AS, K, F	-	-	0.13 kPa	53,49	-
AMMONIUM HYDROXYDE SOL	NH4OH	7664-41-7	K	255	320	1003 kPa	17	-33
AMYL ALCOHOL N	C5H12O	71-41-0	AS	1150	1495	0.259 kPa	88	138

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
2 ppm	0,2 ppm	2 ppm	-	-	2 mg/m³	2 ppm	-		S
0,1 ppm	-	0,09 ppm	-	-	-	0,1 ppm	-	X	
1 ppm	1 ppm	-	-	-	2 mg/m³	-	-	X	S
1000 ppm	1000 ppm	-	-	-	-	-	-		
5 ppm	5 ppm	-	-	-	-	5 ppm	-		
2 ppm	0,2 ppm	2 ppm	-	-	2 mg/m³	2 ppm	-		S
-	10 mg/m³ respirable aerosol	-	4 mg/m³ inhalable aerosol 1.5 mg/m³ inhalable respirable aerosol	-	3 mg/m³	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		
10 mg/m³ total dust	10 mg/m³ inhalable aerosol	-	4 mg/m³ inhalable aerosol	-	3 mg/m³	-	-		
-	10 mg/m³ respirable aerosol	-	4 mg/m³ inhalable aerosol 1.5 mg/m³ inhalable respirable aerosol	-	3 mg/m³	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		
-	10 mg/m³ respirable aerosol	-	4 mg/m³ inhalable aerosol 1.5 mg/m³ inhalable respirable aerosol	-	3 mg/m³	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		
-	2 ppm	2 ppm	2 ppm	-	3 mg/m³	-	-	X	
10 ppm	10 ppm	2 ppm	2 ppm	-	10 mg/m³	10 ppm	-	X	S
10 ppm	5 ppm	5 ppm	5 ppm	-	9 mg/m³	-	-	X	S
10 ppm	-	10 ppm	10 ppm	-	5 mg/m³	-	-	X	
25 ppm	10 ppm	20 ppm	20 ppm	25 ppm	20 mg/m³	25 ppm	20 ppm	X	S
10 mg/m³	10 mg/m³	-	-	-	10 mg/m³	10 mg/m³	-		
10 mg/m³	10 mg/m³	-	-	-	10 mg/m³	10 mg/m³	-		
25 ppm	10 ppm	20 ppm	20 ppm	25 ppm	20 mg/m³	25 ppm	20 ppm	X	S
-	-	-	20 ppm	-	100 mg/m³	-	-		S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
ANHYDROUS HYDROGEN BROMIDE	HBr	10035-10-6	BE+	1248	1626	0.15 kPa	80,91	-66
ANILINE	C6H5NH2	62-53-3	AS	910	1620	0.09 kPa	93	184
AQUA FORTIS	HNO3	7697-37-2	BE+	1368	1608	6.39 kPa	63	120
AQUA REGIA	HCL+HNO3	-	BE+	1554	2040		44	120
AQUEOUS HYDROGEN BROMIDE (I.E.	HBr	10035-10-6	BE+	1248	1626	0.15 kPa	80,91	-66
AQUEOUS HYDROGEN CHLORIDE (I.E.	HCl aq. sol.	7647-01-0	BE+	1620	2184	4103 kPa	37	120
ARSENIC (INORGANIC COMPOUNDS, AS AS)	As	7440-38-2	HEPA	-	-	1 Pa (280°C)	74,92	614
ASBESTOS	Hydrated mineral silicates	1332-21-4	HEPA	-	-	-	-	-
ASPIRIN	C9H8O4	50-78-2	HEPA	-	-	-	180,2	-
ATRAZINE	C8H14ClN5	1912-24-9	HEPA	-	-	4 10-5 Pa	215,7	-
AZINE	C5H5N	110-86-1	AS	400	800	2.13 kPa	79	115
BARIUM CHLORIDE	BaCl2.2H2O	10326-38-9	PF + Hepa or BE+, AS, K, F	-	-	-	244,26	-
BENZENAMINE	C6H5NH2	62-53-3	AS	910	1620	0.09 kPa	93	184
BENZENE	C6H6	71-43-2	AS	470	790	12.7 kPa	78	80
BENZENE CHLORIDE	C6H5Cl	108-90-7	AS	1230	1970	1.6 kPa	113	133
BENZINE 35 80	C8H16N2	92-87-5	AS	510	640	Low	184,3	400
BENZYL ALCOHOL	C6H5CH2OH	100-51-6	AS	818	1122,5	0.015 kPa	108,14	203
BENZYL CHLORIDE	C7H7Cl	100-44-7	AS	560	2120	0.164 kPa	127	179
BERYLLIUM COMPOUNDS (AS BE)	Be	7440-41-7	HEPA	-	-	-	9,01	2471
BET	C21H20N3Br	1239-45-8	AS	720	1300	-	314	238
BETA-AMINOETHYL ALCOHOL	C2H7NO	141-43-5	AS	180	300	0.050 kPa	61	171
BETA-CHLOROPRENE	C4H4Cl	126-99-8	AS	300	380	29.5 kPa	87	60

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	-	6,7 mg/m³	2 ppm	-	10mg/m³	3 ppm	-	X	A
-	2 ppm	2 ppm	2 ppm	-	3 mg/m³	-	-	X	
2 ppm	-	-	-	2 ppm	-	1 ppm	-	X	A
-	-	-	-	-	-	-	-	X	A
-	-	6,7 mg/m³	2 ppm	-	10mg/m³	3 ppm	-	X	A
-	-	2 ppm	2 ppm	-	-	1 ppm	5 ppm	X	A
-	-	0,0083 mg/m³	-	0,003 mg/m³	0,01 mg/m³	-	-		
0,1 fibers/cm³	0,01 fibres per cm³	0,01 fibres/cm³	-	0,15 fibers/cm³	0,8 mg/m³ inhlabale fraction	0,1 fibres per cm³	-		
5 mg/m³ inhalable aerosol	-	-	-	-	5 mg/m³	-	-		
5 mg/m³	5 mg/m³	1 inhalable aerosol mg/m³	1 inhalable aerosol mg/m³	-	-	-	-		
5 ppm	5 ppm	-	-	-	4 mg/m³	5 ppm	-	X	S
-	-	-	-	-	-	-	-		
-	2 ppm	2 ppm	2 ppm	-	3 mg/m³	-	-	X	
0,1 ppm	1 ppm	1 ppm	-	10 ppm	6 mg/m³	-	-	X	S
-	5 ppm	10 ppm	10 ppm	10 ppm	50 mg/m³	1 ppm	-	X	S
-	0,001 ppm	-	-	-	-	-	50 ppm	X	S
-	-	-	-	-	-	-	-		
-	1 ppm	-	-	-	-	0,5 ppm	-	X	S
0,0005 mg/m³	0,002 mg/m³	-	-	0,001 mg/m³	0,0005 mg/m³	-	-		
-	-	-	-	-	-	-	-		
3 ppm	1 ppm	2 ppm	2 ppm	-	8 mg/m³	1 ppm	-	X	
-	10 ppm	-	-	-	4 mg/m³	10 ppm	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
BETA-METHYL ACROLEIN	C4H6O	4170-30-3	AS	600	825	4.92 kPa	70	102
BETA-METHYLPROPYL ETHANOATE	C6H12O2	110-19-0	AS	1170	1450	2.39 kPa	116	117
BICYCLOPENTADIENE	C10H12	77-73-6	AS	735	1270	-	132	167
BIOTITE	K(Mg, Fe) 3AlSi3O10 (F, OH)2	12001-26-2	PF + Hepa or BE+, AS, K, F	-	-	-	797	-
BLEU DE THYMOL	C27H39O5S	76-61-9	PF + Hepa or BE+, AS, K, F	-	-	-	466,59	-
BORAX	Na2B4O7 • 10H2O	1303-96-4	PF + Hepa or BE+, AS, K, F	-	-	-	381,4	-
BORON OXIDE	B2O3	1303-86-2	PF + Hepa or BE+, AS, K, F	-	-	-	69,62	-
BORON TRIFLUORIDE	BF3	7637-07-2	No filtration	-	-	101 kPa	67,81	-
BROMINE	Br2	7726-95-6	BE+	660	858	28.7 kPa	160	59
BROMOCHLOROMETHANE	CH2BrCl	74-97-5	AS	1350	1660	19.5 kPa	129	68
BROMOETHANE	C2H5Br	74-96-4	AS	750	900	62.5 kPa	113	38,5
BROMOETHENE	C2H3Br	593-60-2	AS	30	40	141 kPa	107	16
BROMOETHYLENE	C2H3Br	593-60-2	AS	30	40	141 kPa	107	16
BROMOFORM	CHBr3	75-25-2	AS	690	750	0.726 kPa	253	149,5
BUTANOIC ACID	C4H8O2	107-92-6	AS	1400	1900	0.221 kPa	88	163,5
BUTYL ACRYLATE	C7H12O2	141-32-2	AS	795	1720	0.731 kPa	128	146
BUTYL ALCOHOL	C4H10O	71-36-3	AS	750	1400	0.86 kPa	74	117,5
BUTYL ALCOHOL SEC	C4H10O	78-92-2	AS	705	1160	2.32 kPa	74	99,5
BUTYL ALCOHOL TER	C4H10O	75-65-0	AS	650	975	5.42 kPa	74	83
BUTYL CARBINOL	C5H12O	71-41-0	AS	1150	1495	0.259 kPa	88	138
BUTYL CELLOSOLVE®	C6H14O2	111-76-2	AS	1405	1785	16.5 kPa	118	164
BUTYL ETHER	C8H18O	142-96-1	AS	850	1085	0.898 kPa	130	142
BUTYL GLYCIDYL ETHER	C7H14O2	2426-08-6	AS	1110	1665	426 Pa	130,18	164
BUTYL GLYCOL	C6H14O2	111-76-2	AS	1405	1785	16.5 kPa	118	164

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	2 ppm	-	-	-	-	-	-		S
150 ppm	150 ppm	62 ppm	100 ppm	150 ppm	-	150 ppm	-	X	S
5 ppm	5 ppm	0,5 ppm	0,5 ppm	-	25 mg/m³	5 ppm	-		S
3 mg/m³ respirable fraction	-	-	-	-	2 mg/m³ inhalable fraction 1,5 mg/m³ respirable fraction	10mg/m³ inhalable fraction 0,8 mg/m³ respirable fraction	-		
-	-	-	-	-	-	-	-		
5 mg/m³	5 mg/m³	-	0,75 mg/m³ inhalable aerosol	-	-	5 mg/m³	-		
10 mg/m³ total dust	10 mg/m³	-	-	-	-	-	-		
-	-	0,35 ppm	-	0,3 ppm	-	-	-		
0,1 ppm	-	0,7 mg/m³	-	0,1 ppm	0,6 mg/m³	0,1 ppm	0,1 ppm	X	
200 ppm	200 ppm	-	-	-	-	-	-	X	
-	200 ppm	-	-	-	-	-	-	X	S
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
0,5 ppm	0,5 ppm	-	-	1 ppm	-	-	-	X	S
-	-	-	-	-	-	-	-	X	
-	2 ppm	2 ppm	2 ppm	-	25 mg/m³	1 ppm	-		S
-	-	100 ppm	100 ppm	25 ppm	100 mg/m³	-	-	X	S
100 ppm	100 ppm	-	-	101 ppm	-	100 ppm	-	X	S
100 ppm	100 ppm	20 ppm	20 ppm	50 ppm	-	100 ppm	-	X	S
-	-	-	20 ppm	-	100 mg/m³	-	-		S
5 ppm	10 ppm	10 ppm	10 ppm	25 ppm	-	25 ppm	-		S
-	-	-	-	-	-	-	-		S
-	25 ppm	-	-	-	60 mg/m³	25 ppm	-		S
5 ppm	10 ppm	10 ppm	10 ppm	25 ppm	-	25 ppm	-		S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
BUTYL LACTATE	C7H14O3	138-22-7	AS	1120	1915	0.053 kPa	146	188
BUTYL METACRYLATE	C18H14O2	97-88-1	AS	1300	1875	266 Pa	142	164
BUTYL VINYL ETHER	C6H12O	111-34-2	AS	585	870	6.65 kPa	100	94
BUTYLENE HYDRATE	C4H10O	78-92-2	AS	705	1160	2.32 kPa	74	99,5
BUTYRIC ACID	C4H8O2	107-92-6	AS	1400	1900	0.221 kPa	88	163,5
BVE	C6H12O	111-34-2	AS	585	870	6.65 kPa	100	94
CADMIUM DUST (AS CD)	Cd	7440-43-9	HEPA	-	-	-	112,41	765
CADMIUM FUME (AS CD)	Cd	7440-43-9	HEPA	-	-	-	112,4	767
CALCIUM CARBONATE	CaCO3	1317-65-3	PF + Hepa or BE+, AS, K, F	-	-	-	100,09	-
CALCIUM HYDRATE	Ca(OH)2	1305-62-0	PF + Hepa or BE+, AS, K, F	-	-	-	74,09	-
CALCIUM HYDROXIDE	Ca(OH)2	1305-62-0	PF + Hepa or BE+, AS, K, F	-	-	-	74,09	-
CALCIUM OXIDE	CaO	1305-78-8	PF + Hepa or BE+, AS, K, F	-	-	-	56,08	-
CALCIUM SULFATE	Ca(SO4). 2H20	7778-18-9	PF + Hepa or BE+, AS, K, F	-	-	-	172,17	-
CARBON BLACK	C	1333-86-4	HEPA	-	-	-	-	-
CARBON BROMIDE	CBr4	558-13-4	AS	1150	2250	5.3 kPa	332	189,5
CARBON DIOXIDE	CO2	124-38-9	No filtration	-	-	3483 kPa (0°C)	44	-
CARBON DISULFIDE	CS2	75-15-0	AS	195	245	48.2 kPa	76	46
CARBON MONOXIDE	CO	630-08-0	No filtration	-	-	> 3545 kPa	28	-191,5
CARBON TETRABROMIDE	CBr4	558-13-4	AS	1150	2250	5.3 kPa	332	189,5
CARBON TETRACHLORIDE	CCl4	56-23-5	AS	1050	2325	15.2 kPa	154	77

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
5 ppm	5 ppm	-	-	-	25 mg/m³	5 ppm	-		S
-	10 ppm	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		S
100 ppm	100 ppm	-	-	102 ppm	-	100 ppm	-	X	S
-	-	-	-	-	-	-	-	X	
-	-	-	-	-	-	-	-		S
0,01 mg/m³	-	-	-	-	0,01 mg/m³	-	-		
-	0,05 mg/m³	-	-	0,05 mg/m³	-	-	-		
10 mg/m³ total dust - 5 mg/m³ respirable aerosol	-	-	-	-	8 mg/m³ inhalable fraction 4 mg/m³ respirable fraction	10 mg/m³ total dust	-		
5 mg/m³	5 mg/m³	1 mg/m³ inhalable fraction	1 mg/m³ inhalable fraction	-	-	5 mg/m³	-		
5 mg/m³	5 mg/m³	1 mg/m³ inhalable fraction	1 mg/m³ inhalable fraction	-	-	5 mg/m³	-		
2 mg/m³	2 mg/m³	1 mg/m³ inhalable fraction	1 mg/m³ inhalable fraction	-	2 mg/m³	2 mg/m³	-		
5 mg/m³ respirable aerosol	-	6 mg/m³ respirable aerosol	4 mg/m³ inhalable aerosol	-	-	-	-		
3,5 mg/m³	3,5 mg/m³	-	-	1 mg/m³ respirable dust 4 mg/m³ total dust	4 mg/m³ inhalable fraction	3,5 mg/m³	-		
0,1 ppm	0,1 ppm	-	-	-	1,5 mg/m³	-	-		
5000 ppm	5000 ppm	5000 ppm	5000 ppm	5000 ppm	9000 mg/m³	5000 ppm	5000 ppm		
1 ppm	5 ppm	10 ppm	5 ppm	1 ppm	5 mg/m³	-	-	X	S
35 ppm	50 ppm	30 ppm	30 ppm	50 ppm	20 mg/m³	30 ppm	20 ppm		
0,1 ppm	0,1 ppm	-	-	-	1,5 mg/m³	-	-		
-	2 ppm	0,5 ppm	0,5 ppm	-	15 mg/m³	-	-	X	

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
CAUSTIC POTASH	KOH	1310-58-3	PF + Hepa or BE+, AS, K, F	-	-	0.13 kPa (1044°C)	56,11	-
CAUSTIC SODA	NaOH	1310-73-2	PF + Hepa or BE+, AS, K, F	-	-	-	40	1390
CELLOSOLVE «ACETATE»	C6H12O3	111-15-9	AS	835	1265	0.24 kPa	132	157
CELLOSOLVE®	C4H10O2	110-80-5	AS	765	1140	0.71 kPa	90	135
CELLULOSE	(C6H10O5)n	9004-34-6	PF + Hepa or BE+, AS, K, F	-	-	-	160,000-560,000	-
CHLORINE	Cl2	7782-50-5	BE+	660	858	780 kPa (50°C)	35	-34,5
CHLORINE DIOXIDE	ClO2	10049-04-4	BE+	204	270	101 kPa	68	10
CHLORINE OXIDE	ClO2	10049-04-4	BE+	204	270	101 kPa	68	10
CHLORO-1-NITROPROPANE 1	C3H6NO2Cl	600-25-9	AS	1240	1875	0.79 kPa	123	171
CHLOROBENZENE	C6H5Cl	108-90-7	AS	1230	1970	1.6 kPa	113	133
CHLOROBROMOMETHANE	CH2BrCl	74-97-5	AS	1350	1660	19.5 kPa	129	68
CHLOROBUTADIENE	C4H4Cl	126-99-8	AS	300	380	29.5 kPa	87	60
CHLOROETHANE	C2H5Cl	75-00-3	AS	15	40	160 kPa	65	12
CHLOROETHENE	C2H3Cl	75-01-4	AS	25	40	355 kPa	61	-14
CHLOROETHYLENE	C2H3Cl	75-01-4	AS	25	40	355 kPa	61	-14
CHLOROFORM	CHCl3	67-66-3	AS	590	650	26.2 kPa	119	61
CHLOROMETHANE	CH3Cl	74-87-3	AS	0	15	574 kPa	51	-24
CHLOROPRENE	C4H4Cl	126-99-8	AS	300	380	29.5 kPa	87	60
CHLOROTHENE	C2H3Cl3	71-55-6	AS	700	900	16.5 kPa	133	74
CHLOROTOLUENE (ORTHO)	C7H7Cl	106-43-4	AS	1495	2120	0.482 kPa	126	159
CHLORURE DE SODIUM	NaCl	7647-14-5	PF + Hepa or BE+, AS, K, F	-	-	-	58,44	-
CHROMIC ACID	CrO3	1333-82-0	HEPA	-	-	1.87 kPa	151,99	4000
CHROMIC OXIDE	CrO3	1333-82-0	HEPA	-	-	1.87 kPa	151,99	4000
CHROMIUM(VI) OXIDE (1:3)	CrO3	1333-82-0	HEPA	-	-	1.87 kPa	151,99	4000
CINAMENE	C8H8	100-42-5	AS	1050	1050	0.81 kPa	104	146

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	-	-	-	-	-	-	-		
-	2 mg/m³	-	-	-	-	-	-		
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	30 mg/m³	10 ppm	-	X	S
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	18 mg/m³	10 ppm	-		S
10 total dust mg/m³	10 inhalable aerosol mg/m³	-	-	-	10 mg/m³	10 inhalable aerosol mg/m³	-		
-	-	0,5 ppm	0,5 ppm	0,5 ppm	-	-	-	X	
0,1 ppm	0,1 ppm	0,1 ppm	0,1 ppm	-	0,3mg/m³	0,1 ppm	-	X	
0,1 ppm	0,1 ppm	0,1 ppm	0,1 ppm	-	0,3mg/m³	0,1 ppm	-	X	
2 ppm	2 ppm	-	-	-	-	-	-		S
-	5 ppm	10 ppm	10 ppm	10 ppm	50 mg/m³	1 ppm	-	X	S
200 ppm	200 ppm	-	-	-	-	-	-	X	
-	10 ppm	-	-	-	4 mg/m³	10 ppm	-	X	S
-	100 ppm	40 ppm	-	-	-	-	-	X	S
-	1 ppm	3 ppm	-	2 ppm	10 mg/m³	-	-	X	S
-	1 ppm	3 ppm	-	2 ppm	10 mg/m³	-	-	X	S
-	2 ppm	0,5 ppm	0,5 ppm	3 ppm	20 mg/m³	-	-	X	
-	50 ppm	50 ppm	50 ppm	-	60 mg/m³	-	-	X	S
-	10 ppm	-	-	-	4 mg/m³	10 ppm	-	X	S
-	100 ppm	200 ppm	200 ppm	200 ppm	900 mg/m³	-	-	X	
-	-	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		
-	0,05 mg/m³	-	-	-	-	-	-	X	
-	0,05 mg/m³	-	-	-	-	-	-	X	
-	0,05 mg/m³	-	-	-	-	-	-	X	
50 ppm	50 ppm	20 ppm	20 ppm	50 ppm	50 mg/m³	100 ppm	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
CLAY	Al2Si2O5(OH)4	1332-58-7	PF + Hepa or BE+, AS, K, F	-	-	-	-	-
COPPER (DUSTS AND MISTS, AS CU)	Cu	7440-50-8	PF + Hepa or BE+, AS, K, F	-	-	-	63,55	2562
COPPER(II) OXIDE FUME	CuO	1317-38-0	PF + Hepa or BE+, AS, K, F	-	-	-	79,55	-
CRESOL ALL ISOMERS	C7H8O	1319-77-3	AS	935	1315	0.018 kPa	108	191
CROTONALDEHYDE	C4H6O	4170-30-3	AS	600	825	4.92 kPa	70	102
CUMENE	C9H12	98-82-8	AS	1055	1480	0.61 kPa	120	152
CUMOL	C9H12	98-82-8	AS	1055	1480	0.61 kPa	120	152
CYANOMETHANE	C2H3N	75-05-8	AS	150	240	11.9 kPa	41	82
CYCLOHEXANE	C6H12	110-82-7	AS	750	890	13 kPa	84	81
CYCLOHEXANOL	C6H12O	108-93-0	AS	985	1525	0.1 kPa	100	162
CYCLOHEXANONE	C6H10O	108-94-1	AS	850	1745	0.53 kPa	98	157
CYCLOHEXENE	C6H10	110-83-8	AS	1060	1120	11.8 kPa	82	83
CYCLOHEXYL ALCOHOL	C6H12O	108-93-0	AS	985	1525	0.1 kPa	100	162
CYCLOHEXYL KETONE	C6H10O	108-94-1	AS	850	1745	0.53 kPa	98	157
CYCLOHEXYLAMINE	C6H11NH2	108-91-8	AS	380	525	1.2 kPa	99	135
CYCLOPENTANE	C5H10	287-92-3	AS	545	710	42.3 kPa	70	49
DEA	C4H11NO2	111-42-2	AS	475	700	< 1 Pa	105	217
DECANE	C10H22	124-18-5	AS	980	1590	190 Pa	142	174
DIACETONE	C6H12O2	123-42-2	AS	850	1280	0.224 kPa	116	168
DIACETONE ALCOHOL	C6H12O2	123-42-2	AS	850	1280	0.224 kPa	116	168
DIAMINE	N2H4	302-01-2	K	510	640	1.3 kPa	32,05	-
DIBUTYL ETHER	C8H18O	142-96-1	AS	850	1085	0.898 kPa	130	142
DICHLOROMETHANE	CH2Cl2	75-09-2	AS	110	140	58.2 kPa	85	40
DICHLOROPROPANE 1, 2	C3H6Cl2	78-87-5	AS	810	1125	6.62 kPa	113	97

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
10 mg/m³ total dust 5 mg/m³ respirable fraction	10 respirable aerosol mg/m³	-	-	-	-	2 mg/m³ respirable aerosol	-		
-	1 mg/m³	-	0,01 mg/m³	-	1 mg/m³	-	-		
-	-	-	-	-	-	-	-		
2,3 ppm	5 ppm	-	-	5 ppm	10 mg/m³	5 ppm	-	X	
-	2 ppm	-	-	-	-	-	-		S
50 ppm	20 ppm	10 ppm	10 ppm	-	-	25 ppm	20 ppm	X	S
50 ppm	20 ppm	10 ppm	10 ppm	-	-	25 ppm	20 ppm	X	S
20 ppm	40 ppm	20 ppm	20 ppm	-	30 mg/m³	-	40 ppm	X	S
300 ppm	200 ppm	200 ppm	200 ppm	-	250 mg/m³	100 ppm	-	X	S
50 ppm	50 ppm	50 ppm	50 ppm	25 ppm	100 mg/m³	50 ppm	-	X	S
25 ppm	10 ppm	20 ppm	-	20 ppm	50 mg/m³	10 ppm	-	X	S
300 ppm	300 ppm	-	-	-	-	300 ppm	-	X	S
50 ppm	50 ppm	50 ppm	50 ppm	25 ppm	100 mg/m³	50 ppm	-	X	S
25 ppm	10 ppm	20 ppm	-	20 ppm	50 mg/m³	10 ppm	-	X	S
10 ppm	10 ppm	2 ppm	2 ppm	-	10 mg/m³	10 ppm	-	X	S
600 ppm	600 ppm	-	-	-	-	619 ppm	-		S
3 ppm	3 ppm	-	1 inhalable aerosol mg/m³	-	-	3 ppm	-	X	
-	-	-	-	-	-	-	-	X	S
50 ppm	50 ppm	20 ppm	20 ppm	-	240 mg/m³	50 ppm	-	X	S
50 ppm	50 ppm	20 ppm	20 ppm	-	240 mg/m³	50 ppm	-	X	S
-	0,1 ppm	0,017 ppm	-	-	0,06 mg/m³	0,02 ppm	-		
-	-	-	-	-	-	-	-		S
-	50 ppm	50 ppm	50 ppm	100 ppm	200 mg/m³	-	100 ppm	X	
-	75 ppm	-	-	1 ppm	350 mg/m³	-	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
DICYCLOPENTADIENE	C10H12	77-73-6	AS	735	1270	-	132	167
DIETHAMINE	C4H11N	109-89-7	AS	235	504	30.1 kPa	73	56
DIETHANOLAMINE	C4H11NO2	111-42-2	AS	475	700	< 1 Pa	105	217
DIETHYL ETHER	C4H10O	60-29-7	AS	360	470	71.7 kPa	74	35
DIETHYL KETONE	C5H10O	96-22-0	AS	900	1255	4.72 kPa	86	102
DIETHYL OXIDE	C4H10O	60-29-7	AS	360	470	71.7 kPa	74	35
DIETHYLAMINE	C4H11N	109-89-7	AS	235	384	30.1 kPa	73	56
DIETHYLAMINOETHANOL-2	C6H15NO	100-37-8	AS	725	1015	30 kPa @ 125°C	117	162
DIETHYLENE DIOXIDE	C4H8O2	123-91-1	AS	660	1265	4.95 kPa	88	101
DIETHYLENE GLYCOL MONOBUTYL ETHER	C8H18O3	112-34-5	AS	988	1582,5	0.029 kPa	162,23	224
DIETHYLENE OXIDE	C4H8O	109-99-9	AS	700	870	21.6 kPa	72	65
DIETHYLENE TRIAMINE	C4H13N3	111-40-0	AS	110	475	0.053 kPa	103	207
DIISOBUTYL KETONE	C9H18O	108-83-8	AS	900	1215	0.23 kPa	142	166
DIISOPROPYL ETHER	C6H14O	108-20-3	AS	475	665	8.35 kPa	102	69
DIISOPROPYL KETONE	C7H14O	565-80-0	AS	900	1215	6.87 kPa	114	124
DIISOPROPYL OXIDE	C6H14O	108-20-3	AS	475	665	8.35 kPa	102	69
DIISOPROPYLAMINE	C6H15N	108-18-9	AS	190	265	10.7 kPa	101	83
DIMETHOXYMETHANE	C3H8O2	109-87-5	AS	455	620	53.1 kPa	76	43
DIMETHYL AMINE	C2H7N	124-40-3	AS	25	75	203 kPa	45	7
DIMETHYL BENZENE (AND ISOMERS)	C8H10	95-47-6	AS	1215	1600	0.88 kPa	106	138
DIMETHYL CARBINOL	C3H8O	67-63-0	AS	500	625	6.02 kPa	60	83
DIMETHYL ETHER	C2H6O	115-10-6	AS	0	15	273 kPa (0°C)	46	-25
DIMETHYL KETONE	C3H6O	67-64-1	AS	240	300	30.8 kPa	58	56,5
DIMETHYL SULFOXIDE	C2H6SO	67-68-5	AS	900	1170	0.1 kPa	78	189
DIMETHYLACETONE	C5H10O	96-22-0	AS	900	1255	4.72 kPa	86	102
DIMETHYLFORMAMIDE	C3H7NO	68-12-2	AS	1095	1620	0.439 kPa	73	153
DIMETHYLMETHANE	C3H8	74-98-6	AS	0	10	939 kPa	44	-42

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
5 ppm	5 ppm	0,5 ppm	0,5 ppm	-	25 mg/m³	-	-		S
10 ppm	5 ppm	5 ppm	5 ppm	-	-	5 ppm	-	X	S
3 ppm	3 ppm	-	1 inhalable aerosol mg/m³	-	-	3 ppm	-	X	
-	100 ppm	400 ppm	400 ppm	400 ppm	300 mg/m³	-	-	X	S
200 ppm	200 ppm	-	-	-	700 mg/m³	200 ppm	5 ppm		S
-	100 ppm	400 ppm	400 ppm	400 ppm	300 mg/m³	-	-	X	S
10 ppm	5 ppm	5 ppm	5 ppm	-	-	5 ppm	-	X	S
10ppm	10 ppm	5 ppm	5 ppm	-	50mg/m³	10 ppm	-	X	S
-	20 ppm	20 ppm	20 ppm	10 ppm	70 mg/m³	25 ppm	-	X	S
-	10 ppm	10 ppm	10 ppm	-	-	12 ppm	-		
200 ppm	50 ppm	50 ppm	50 ppm	50 ppm	300 mg/m³	50 ppm	-	X	S
1 ppm	1 ppm	-	-	-	4 mg/m³	1ppm	-	X	
25 ppm	25 ppm	-	-	-	145 mg/m³	25 ppm	-	X	S
500 ppm	250 ppm	200 ppm	200 ppm	-	-	250 ppm	-	X	
-	-	-	-	-	-	-	-		
-	250 ppm	200 ppm	200 ppm	-	-	250 ppm	-	X	
-	5 ppm	-	-	-	-	5 ppm	-		S
1000 ppm	1000 ppm	1000 ppm	1000 ppm	-	-	1000 ppm	-		S
10 ppm	1 ppm	2 ppm	2 ppm	-	5 mg/m³	2 ppm	-	X	S
100 ppm	50 ppm	100 ppm	100 ppm	50 ppm	50 mg/m³	50 ppm	50 ppm	X	S
400 ppm	-	200 ppm	200 ppm	400 ppm	350 mg/m³	-	-	X	S
-	1000 ppm	1000 ppm	1000 ppm	-	-	400 ppm	-	X	S
250 ppm	500 ppm	500 ppm	500 ppm	750 ppm	300 mg/m³	-	-	X	S
-	-	-	50 ppm	-	-	-	-		
200 ppm	200 ppm	-	-	-	700 mg/m³	200 ppm	5 ppm		S
10 ppm	5 ppm	5 ppm	5 ppm	10 ppm	20 mg/m³	-	-	X	
1000 ppm	-	1000 ppm	1000 ppm	-	-	-	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
DINITROGEN MONOXIDE	N2O	10024-97-2	No filtration	-	-	5197 kPa	44,01	-91
DIOXIN	C12H4Cl4O2	1746-01-6	No filtration	-	-	1.733191e-005 (25°C)	322	-
DIOXINE	C12H4Cl4O2	1746-01-6	No filtration	-	-	1.733191e-005 (25°C)	322	-
DIPHENYL OXIDE	C12H10O	101-84-8	AS	180	1920	< 1 hPa	170	259
DIPROPYL KETONE	C7H14O	123-19-3	AS	855	1275	0.164 kPa	114	173
DIPROPYLMETHANE	C7H16	142-82-5	AS	1050	1235	6.09 kPa	100	99
DIURON	C9H10Cl2N2O	330-54-1	HEPA	-	-	2.6 10-7 Pa	233,1	-
DIVINYL	C4H6	106-99-0	AS	20	50	120 kPa (0°C)	54	-4,5
DMA	C2H7N	124-40-3	AS	25	75	203 kPa	45	7
DMF	C3H7NO	68-12-2	AS	1095	1620	0.439 kPa	73	153
DMSO	C2H6SO	67-68-5	AS	900	1170	0.1 kPa	78	189
EAK	C8H16O	106-68-3	AS	700	930	0.286 kPa	128,21	167
EDTA	C10H16N2O8	60-00-4	HEPA	-	-	-	292,25	-
EPICHLORHYDRINE	C3H5ClO	106-89-8	AS	400	1040	2.20 kPa	93	115
EPOXY-2,3-PROPANOL-1	C3H6O2	556-52-5	AS	1215	1825	0.12 kPa	74	167
ERYTHRENE	C4H6	106-99-0	AS	20	50	120 kPa (0°C)	54	-4,5
ESSENCE OF MIRBANE	C6H5NO2	98-95-3	AS	260	1070	0.04 kPa	123	210
ETHANAL	C2H4O	75-07-0	AS	10	55	120 kPa	44	20
ETHANEDIOIC ACID	C2H2O4	144-62-7	PF + Hepa or BE+, AS, K, F	-	-	0.13 Pa	90,03	-
ETHANOIC ACID	C2H4O2	64-19-7	AS	945	1610	2.07 kPa	60	118
ETHANOL	C2H6O	64-17-5	AS	120	220	7.87 kPa	46	78
ETHANOLAMINE	C2H7NO	141-43-5	AS	180	300	0.050 kPa	61	171
ETHENE	C2H2	74-86-2	AS	0	40	4400 kPa	26	-84
ETHER	C4H10O	60-29-7	AS	360	470	71.7 kPa	74	35
ETHIDIUM BROMIDE	C21H20N3Br	1239-45-8	AS	720	1300	-	314	238

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
25 ppm	-	100 ppm	100 ppm	-	-	100 ppm	-		
-	-	-	0,00000001 inhalable aerosol g/m3	-	-	-	-		
-	-	-	0,00000001 inhalable aerosol g/m3	-	-	-	-		
1ppm	1 ppm	1 ppm	1 ppm	-	7mg/m³	1 ppm	-		
50 ppm	50 ppm	-	-	-	-	-	-		S
85 ppm	400 ppm	500 ppm	500 ppm	-	500 mg/m³	500 ppm	-	X	S
10 mg/m³ inhalable aerosol	10 mg/m³	-	-	-	10 mg/m³	-	-		
0,19 ppm	-	2 ppm	-	-	5 mg/m³	10 ppm	-	X	S
10 ppm	1 ppm	2 ppm	2 ppm	-	5 mg/m³	2 ppm	-	X	S
10 ppm	5 ppm	5 ppm	5 ppm	10 ppm	20 mg/m³	-	-	X	
-	-	-	50 ppm	-	-	-	-		
-	-	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		
-	-	2 ppm	-	-	1 mg/m³	0,5 ppm	-	X	
25 ppm	25 ppm	-	-	-	-	-	-		
0,19 ppm	-	2 ppm	-	-	5mg/m³	10 ppm	-	X	S
1 ppm	0,2 ppm	1 mg/m³	0,1 ppm	1 ppm	2 mg/m³	0,2 ppm	0,2 ppm		
18 ppm	100 ppm	50 ppm	50 ppm	50 ppm	-	-	-	X	S
1 mg/m³	1 mg/m³	1inhalable aerosol mg/m³	-	-	1 mg/m³	1 mg/m³	-		
10 ppm	-	10 ppm	10 ppm	-	10 mg/m³	-	-	X	S
1000 ppm	1000 ppm	500 ppm	500 ppm	-	-	-	-	X	S
3 ppm	1 ppm	2 ppm	2 ppm	-	8 mg/m³	1 ppm	-	X	
2500 ppm	-	-	-	-	-	-	-	X	
-	100 ppm	400 ppm	400 ppm	400 ppm	300 mg/m³	-	-	X	S
-	-	-	-	-	-	-	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
ETHYL ACETATE	C4H8O2	141-78-6	AS	720	885	9.73 kPa	88	77
ETHYL ACRYLATE	C5H8O2	140-88-5	AS	910	1395	3.9 kPa	100	99,5
ETHYL ALCOHOL	C2H6O	64-17-5	AS	120	220	7.87 kPa	46	78
ETHYL ALDEHYDE	C2H4O	75-07-0	AS	10	55	120 kPa	44	20
ETHYL BENZENE	C8H10	100-41-4	AS	1140	1450	1.28 kPa	106	136
ETHYL BROMIDE	C2H5Br	74-96-4	AS	750	900	62.5 kPa	113	38,5
ETHYL CHLORIDE	C2H5Cl	75-00-3	AS	15	40	160 kPa	65	12
ETHYL CYANOACRYLATE	C6H7NO2	7085-85-0	AS	400	1040	0.27 kPa	125	66
ETHYL ETHANOATE	C4H8O2	141-78-6	AS	720	885	9.73 kPa	88	77
ETHYL ETHER	C4H10O	60-29-7	AS	360	470	71.7 kPa	74	35
ETHYL FORMATE	C3H6O2	109-94-4	AS	585	860	32.3 kPa	74	35
ETHYL KETONE	C5H10O	96-22-0	AS	900	1255	4.72 kPa	86	102
ETHYL METHYL KETONE	C4H8O	78-93-3	AS	720	820	12.6 kPa	72	80
ETHYL NITRILE	C2H3N	75-05-8	AS	150	240	11.9 kPa	41	82
ETHYL OXIDE	C4H10O	60-29-7	AS	360	470	71.7 kPa	74	35
ETHYLAMINE	C2H7N	75-04-7	AS	15	95	116 kPa	45	17
ETHYLAMYL KETONE	C8H16O	106-68-3	AS	700	930	0.286 kPa	128,21	157
ETHYLEN CHLORHYDRIN	C2H5OCl	107-07-3	AS	800	1200	4.45 kPa (50°C)	81	129
ETHYLENE ALCOHOL	C2H6O2	107-21-1	AS	700	930	0.010 kPa	66	198
ETHYLENE BROMIDE	C2H4Br2	106-93-4	AS	1800	3900	1.55 kPa	188	131
ETHYLENE CHLORIDE	C2H4Cl2	107-06-2	AS	700	880	10.6 kPa	98	84
ETHYLENE CHLOROHYDRIN	C2H5OCl	107-07-3	AS	800	1200	4.45 kPa (50°C)	81	129
ETHYLENE DIAMINE (SOLUTION)	C2H8N2	107-15-3	AS	600	695	1.42 kPa	60	117
ETHYLENE DIBROMIDE	C2H4Br2	106-93-4	AS	1800	3900	1.55 kPa	188	131
ETHYLENE DICHLORIDE	C2H4Cl2	107-06-2	AS	700	880	10.6 kPa	98	84
ETHYLENE GLYCOL	C2H6O2	107-21-1	AS	700	930	0.010 kPa	66	198
ETHYLENE GLYCOL MONO ETHYL ETHER	C4H10O2	110-80-5	AS	765	1140	0.71 kPa	90	135

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
400 ppm	400 ppm	400 ppm	400 ppm	400 ppm	200 mg/m³	200 ppm	-	X	S
-	5 ppm	5 ppm	5 ppm	-	-	5 ppm	-	X	S
1000 ppm	1000 ppm	500 ppm	500 ppm	-	-	-	-	X	S
18 ppm	100 ppm	50 ppm	50 ppm	50 ppm	-	-	-	X	S
100ppm	20 ppm	20ppm	20ppm	20ppm	100mg/m³	100 ppm	-	X	S
-	200 ppm	-	-	-	-	-	-	X	S
-	100 ppm	40 ppm	-	-	-	-	-	X	S
-	-	-	-	-	-	0,3 ppm	-		
400 ppm	400 ppm	400 ppm	400 ppm	400 ppm	200 mg/m³	200 ppm	-	X	S
-	100 ppm	400 ppm	400 ppm	400 ppm	300 mg/m³	-	-	X	S
100 ppm	100 ppm	100 ppm	100 ppm	-	-	100 ppm	-		S
200 ppm	200 ppm	-	-	-	700 mg/m³	200 ppm	5 ppm		S
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	300 mg/m³	200 ppm	200 ppm	X	S
20 ppm	40 ppm	20 ppm	20 ppm	-	30 mg/m³	-	40 ppm	X	S
-	100 ppm	400 ppm	400 ppm	400 ppm	300 mg/m³	-	-	X	S
10 ppm	5 ppm	5 ppm	5 ppm	-	9 mg/m³	-	-	X	S
-	-	-	-	-	-	-	-		S
-	-	1 ppm	1 ppm	-	-	-	-		
-	20 ppm	10 ppm	10 ppm	-	20 mg/m³	20 ppm	-	X	
-	-	-	-	-	-	0,5 ppm	-	X	S
1 ppm	10 ppm	-	-	10ppm	7 mg/m³	5 ppm	-	X	S
-	-	1 ppm	1 ppm	-	-	-	-		
10 ppm	10 ppm	-	-	-	4 mg/m³	10 ppm	-	X	
-	-	-	-	-	-	0,5 ppm	-	X	S
1 ppm	10 ppm	-	-	10ppm	7 mg/m³	5 ppm	-	X	S
-	20 ppm	10 ppm	10 ppm	-	20 mg/m³	20 ppm	-	X	S
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	18 mg/m³	10 ppm	-		S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
ETHYLENE GLYCOL MONO ETHYL ETHER ACETATE	C6H12O3	111-15-9	AS	835	1265	0.24 kPa	132	157
ETHYLENE TRICHLORIDE	C2HCl3	79-01-6	AS	1505	1630	9.91 kPa	130	86
ETHYLENEDIAMINE	C2H8N2	107-15-3	AS	600	695	1.42 kPa	60,1	118
ETHYLIDENE CHLORIDE	C2H4Cl2	75-34-3	AS	275	380	30.5 kPa	98	57
ETHYNE	C2H2	74-86-2	AS	0	40	4400 kPa	26	-84
FERRIC OXIDE	Fe2O3	1309-37-1	PF + Hepa or BE+, AS, K, F	-	-	-	159,7	-
FORENE	C3H2F5ClO	-	AS	590	650		184,5	48,5
FORMALDEHYDE	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
FORMALDEHYDE SOLUTION	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
FORMALIN (AS FORMALDEHYDE)	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
FORMAMIDE	CH2O2	75-12-7	AS	560	1235	-	46	101
FORMIC ACID	CH2O2	64-18-6	AS	560	1235	5.75 kPa	46	101
FORMIC ALDEHYDE	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
FORMONITRILE	HCN	74-90-8	BE+	204	270	82.7 kPa	27	26
FURFURYL ALCOHOL	C5H6O2	98-00-0	AS	910	1395	0.097 kPa	98	170
FURYL CARBINOL	C5H6O2	98-00-0	AS	910	1395	0.097 kPa	98	170
GASOLINE 60	gasoline 60	8006-61-9	AS	600	825	< 39 kPa	-	-
GIEMSA STAIN	50 to 100% of Methanol	-	AS	30	50		-	-
GLACIAL ACETIC ACID (PURE COMPOUND)	C2H4O2	64-19-7	AS	945	1610	2.07 kPa	60	118
GLUCOSE	C6H12O6	5996-10-1	PF + Hepa or BE+, AS, K, F	-	-	-	180,16	-
GLUTARALDEHYDE	C5H8O2	111-30-8	AS	140	320	2.27 kPa	100	187
GLYCEROL , MIST	C3H8O3	56-81-5	HEPA	-	-	0.39 Pa (20°C)	92,09	182
GLYCIDE	C3H6O2	556-52-5	AS	1215	1825	0.12 kPa	74	167
GLYCIDOL	C3H6O2	556-52-5	AS	1215	1825	0.12 kPa	74	167

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
0,5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	30 mg/m³	10 ppm	-	X	S
25 ppm	75 ppm	6 ppm	-	25 ppm	30 mg/m³	100 ppm	-	X	
10ppm	10 ppm	-	-	-	4 mg/m³	10 ppm	-	X	
100 ppm	100 ppm	100 ppm	100 ppm	100 ppm	-	-	100 ppm	X	S
2500 ppm	-	-	-	-	-	-	-	X	
5 mg/m³ (total particulate)	-	-	-	-	-	5 mg/m³	-		
-	-	-	-	-	-	-	-	X	
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
10 ppm	20 ppm	-	-	-	-	-	-		
5 ppm	5 ppm	5 ppm	5 ppm	-	10 mg/m³	-	-	X	S
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
-	2 ppm	-	1,9 ppm	5 ppm	-	-	-	X	
10 ppm	10 ppm	-	-	5 ppm	40 mg/m³	-	-		S
10 ppm	10 ppm	-	-	5 ppm	40 mg/m³	-	-		S
15 ppm LOQ	-	-	-	-	-	-	-	X	S
-	-	-	-	-	-	-	-	X	S
10 ppm	-	10 ppm	10 ppm	-	10 mg/m³	-	-	X	S
-	-	-	-	-	-	-	-		
-	0,1 ppm	0,05 ppm	0,05 ppm	-	-	0,05 ppm	-		S
-	10 mg/m³	-	50 inhalable aerosol mg/m³	-	-	-	-		
25 ppm	25 ppm	-	-	-	-	-	-		
25 ppm	25 ppm	-	-	-	-	-	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
GLYCOL	C2H6O2	107-21-1	AS	700	930	0.010 kPa	66	198
GRAPHITE (SYNTHETIC)	C	7440-44-0	PF + Hepa or BE+, AS, K, F	-	-	-	12,01	3825
HALOTHANE	C2HBrClF3	151-67-7	AS	590	650	32.5 kPa	197	50
HEPTAN-4-ONE	C7H14O	123-19-3	AS	855	1275	0.164 kPa	114	173
HEPTANE	C7H16	142-82-5	AS	1050	1235	6.09 kPa	100	99
HEXANE	C6H14	110-54-3	AS	880	1080	20.2 kPa	86	69
HEXONE	C6H12O	108-10-1	AS	825	1310	2.64 kPa	100	116
HYDRAZINE	N2H4	302-01-2	K	510	640	1.3 kPa	32,05	-
HYDROBROMIC ACID	HBr	10035-10-6	BE+	1248	1626	0.15 kPa	81	-66
HYDROCHLORIC ACID	HCl aq. sol.	7647-01-0	BE+	1620	2184	4103 kPa	37	120
HYDROCYANIC ACID	HCN	74-90-8	BE+	204	270	82.7 kPa	27	26
HYDROFLUORIC ACID	HF aq. sol.	7664-39-3	BE+	414	540	104 kPa	20	112
HYDROGEN BROMIDE	HBr	10035-10-6	BE+	1248	1626	0.15 kPa	81	-66
HYDROGEN CHLORIDE	HCl	7647-01-0	BE+	1620	2184	4103 kPa	37	-85
HYDROGEN CYANIDE	HCN	74-90-8	BE+	204	270	82.7 kPa	27	26
HYDROGEN DIOXIDE	H2O2	7722-84-1	BE+	1380	1854	1.32 kPa	34	158
HYDROGEN FLUORIDE	HF	7664-39-3	BE+	414	540	104 kPa	20	20
HYDROGEN NITRATE	HNO3	7697-37-2	BE+	1368	1608	6.39 kPa	63	120
HYDROGEN PEROXIDE	H2O2	7722-84-1	BE+	1380	1854	1.32 kPa	34	158
HYDROGEN SULFATE	H2SO4	7664-93-9	BE+	1296	1674	1.3 Pa	98	296
HYDROGEN SULFIDE *(subject to risk assessment)*	H2S	7783-06-4	BE+	594	810	1783 kPa	34	-60
HYDROQUINONE	C6H6O2	123-31-9	AS	683	1565	1.3 Pa	110,11	285
HYDROXYBENZENE	C6H6O	108-95-2	AS	200	1075	0.055 kPa	94	182
HYDROXYCELLULOSE	(C6H10O5)n	9004-34-6	PF + Hepa or BE+, AS, K, F	-	-	-	160,000-560,000	-

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	20 ppm	10 ppm	10 ppm	-	20 mg/m³	20 ppm	-	X	S
-	2 mg/m³ respirable aerosol	-	4 mg/m³ inhalable aerosol	-	-	-	-		
2 ppm	-	5 ppm	5 ppm	-	-	10 ppm	-	X	
50 ppm	50 ppm	-	-	-	-	-	-		S
85 ppm	400 ppm	500 ppm	500 ppm	-	500 mg/m³	500 ppm	-	X	
50 ppm	20 ppm	50 ppm	50 ppm	50 ppm	100 mg/m³	20 ppm	-	X	S
50 ppm	20 ppm	20 ppm	20 ppm	50ppm	-	50 ppm	-	X	S
-	0,1 ppm	0,017 ppm	-	-	0,06 mg/m³	0,02 ppm	-		
-	-	6,7 mg/m³	2 ppm	-	10mg/m³	3 ppm	-	X	A
-	-	2 ppm	2 ppm	-	-	1 ppm	5 ppm	X	A
-	2 ppm	-	1,9 ppm	5 ppm	-	-	-	X	
3 ppm	1,8 ppm	1 ppm	1 ppm	0,5 ppm	-	1,8 ppm	1,8 ppm	X	
-	-	6,7 mg/m³	2 ppm	-	10mg/m³	3 ppm	-	X	A
-	-	2 ppm	2 ppm	-	-	1 ppm	5 ppm	X	A
-	2 ppm	-	1,9 ppm	5 ppm	-	-	-	X	
1 ppm	1 ppm	-	0,5 ppm	-	1,5 mg/m³	1 ppm	-	X	
3 ppm	1,8 ppm	1 ppm	1 ppm	0,5 ppm	-	1,8 ppm	1,8 ppm	X	
2 ppm	-	-	-	2 ppm	-	1 ppm	-	X	A
1 ppm	1 ppm	-	0,5 ppm	-	1,5 mg/m³	1 ppm	-	X	
1 mg/m³	0,05 mg/m³ Thoracic fraction	0,1 mg/m³ inhalable aerosol	0,1 inhalable aerosol mg/m³	1 ppm	1 mg/m³	-	0,05 mg/m³	X	
-	5 ppm	5 ppm	5 ppm	5 ppm	-	5 ppm	5 ppm	X	
-	2 mg/m³	-	-	-	1 mg/m³	0,5 mg/m³	-		
5 ppm	2 ppm	2 ppm	-	-	10 mg/m³	2 ppm	-	X	S
10 total dust mg/m³	10 inhalable aerosol mg/m³	-	-	-	10 mg/m³	10 inhalable aerosol mg/m³	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
HYDROXYCYCLOHEXANE	C6H12O	108-93-0	AS	985	1525	0.1 kPa	100	162
HYPOCHLOROUS ACID	HClO	7790-92-3	BE+	1368	1608		52,5	100
IODINE	I2	7553-56-2	AS	1150	2250	10 kPa (9°C)	254	185
IODOFORM	CHI3	75-47-8	PF + Hepa or BE+, AS, K, F	-	-	-	393,73	210
IPA	C3H8O	67-63-0	AS	500	625	6.02 kPa	60	83
IRON OXIDE DUST AND FUME (AS FE)	Fe2O3	1309-37-1	PF + Hepa or BE+, AS, K, F	-	-	-	159,7	-
ISOAMYL ACETATE	C7H14O2	123-92-2	AS	1200	1510	0.728 kPa	130	142
ISOAMYL ALCOHOL	C5H12O	71-41-0	AS	1150	1495	0.259 kPa	88	132
ISOAMYL ALCOHOL (PRIMARY)	C5H12O	123-51-3	AS	855	1285	0.315 kPa	88	132
ISOBUTANE	C4H10	75-28-5	AS	20	50	348 kPa	58	-12
ISOBUTANOL	C4H10O	78-83-1	AS	855	1285	1.39 kPa	74	108
ISOBUTENYL METHYL KETONE	C6H10O	141-79-7	AS	710	1815	1.47 kPa	98	130
ISOBUTYL ACETATE	C6H12O2	110-19-0	AS	1170	1450	2.39 kPa	116	117
ISOBUTYL ALCOHOL	C4H10O	78-83-1	AS	855	1285	1.39 kPa	74	108
ISOBUTYL CARBINOL	C5H12O	123-51-3	AS	855	1285	0.315 kPa	88	132
ISOBUTYL METHYL CARBINOL	C6H14O	108-11-2	AS	850	1310	0.39 kPa	102	132
ISOBUTYRONE	C7H14O	565-80-0	AS	900	1215	6.87 kPa	114	124
ISOFLURANE	C3H2F5ClO	26675-46-7	AS	590	650	34.9 kPa (22°C)	184,5	48,5
ISO-NITROPROPANE	C3H7NO2	79-46-9	BE+	768	1044	2.3 kPa	89	120
ISOOCTANE	C8H18	540-84-1	AS	990	1240	6.5 kPa	114	99
ISOOCTANOL	C8H18O	104-76-7	AS	855	1250	0.019 kPa	130	190
ISOOCTYLALCOHOL	C8H18O	104-76-7	AS	855	1250	0.019 kPa	130	190
ISOPENTANE	C5H12	78-78-4	AS	370	560	91.7 kPa	72	28
ISOPENTYL ACETATE	C7H14O2	123-92-2	AS	1200	1510	0.728 kPa	130	142
ISOPHORONE	C9H14O	78-59-1	AS	880	1395	0.039 kPa	138	215
ISOPRENE	C5H8	78-79-5	AS	270	640	73.4 kPa	68	34
ISOPROPANOL	C3H8O	67-63-0	AS	500	625	6.02 kPa	60	83

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
50 ppm	50 ppm	50 ppm	50 ppm	25 ppm	100 mg/m³	50 ppm	-	X	S
-	-	-	-	-	-	-	-		
-	-	-	-	0,1 ppm	-	-	-	X	
0,6 ppm	0,6 ppm	-	-	-	10 mg/m³	-	-		
400 ppm	-	200 ppm	200 ppm	400 ppm	350 mg/m³	-	-	X	S
5 mg/m³ (total particulate)	-	-	-	-	-	5 mg/m³	-		
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	-	50 ppm	-	X	S
-	-	-	20 ppm	-	100 mg/m³	-	-	X	S
100 ppm	100 ppm	-	20 ppm	100 ppm	-	100 ppm	-	X	S
-	-	1000 ppm	1000 ppm	-	-	-	-	X	
50 ppm	50 ppm	100 ppm	100 ppm	50 ppm	-	50 ppm	-	X	S
10 ppm	15 ppm	-	5 ppm	-	60 mg/m³	15 ppm	-		S
150 ppm	150 ppm	62 ppm	100 ppm	150 ppm	-	150 ppm	-	X	S
50 ppm	50 ppm	100 ppm	100 ppm	50 ppm	-	50 ppm	-	X	S
100 ppm	100 ppm	-	20 ppm	100 ppm	-	100 ppm	-	X	S
25 ppm	25 ppm	20 ppm	20 ppm	-	-	25 ppm	-		S
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	50 ppm	-	X	
-	-	0,05 ppm	-	-	30 mg/m³	5 ppm	-	X	S
-	-	-	-	-	-	-	-	X	S
-	-	10 ppm	10 ppm	-	-	-	-		
-	-	10 ppm	10 ppm	-	-	-	-		
120 ppm	-	1000 ppm	1000 ppm	-	500 mg/m³	-	1000 ppm	X	S
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	-	50 ppm	-	X	S
4 ppm	-	2 ppm	2 ppm	-	-	-	-	X	
-	-	3 ppm	3 ppm	-	-	-	-		S
400 ppm	-	200 ppm	200 ppm	400 ppm	350 mg/m³	-	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
ISOPROPYL ACETATE	C5H10O2	108-21-4	AS	1115	1310	5.59 kPa	102	88
ISOPROPYL ALCOHOL	C3H8O	67-63-0	AS	500	625	6.02 kPa	60	83
ISOPROPYL BENZENE	C9H12	98-82-8	AS	1055	1480	0.61 kPa	120	152
ISOPROPYL ETHER	C6H14O	108-20-3	AS	475	665	8.35 kPa	102	69
ISOPROPYL GLYCIDYL ETHER	C6H12O2	4016-14-2	AS	990	1490	1.2 kPa	116	127
ISOPROPYLAMINE	C3H9N	75-31-0	AS	130	195	78 kPa	59	34
ISOPROPYLCARBINOL	C4H10O	78-83-1	AS	855	1285	1.39 kPa	74	108
ISOPROPYLIDENEACETONE	C6H10O	141-79-7	AS	710	1815	1.47 kPa	98	130
KORAX	C3H6NO2Cl	600-25-9	AS	1240	1875	0.79 kPa	123	171
LIMONENE	C10H16	5989-54-8	AS	855	1390	0.4 kPa (14.4°C)	136	178
LITHIUM HYDRIDE	LiH	7580-67-8	HEPA	-	-	-	7,95	-
MAGNESIA FUME	MgO	1309-48-4	PF + Hepa or BE+, AS, K, F	-	-	-	40,31	3600
MAGNESITE	MgCO3	546-93-0	PF + Hepa or BE+, AS, K, F	-	-	-	84	-
MAGNESIUM OXIDE FUME	MgO	1309-48-4	PF + Hepa or BE+, AS, K, F	-	-	-	40,31	3600
MANGANESE COMPOUNDS (AS MN)	Mn	7439-96-5	PF + Hepa or BE+, AS, K, F	-	-	-	55	1962
MANGANESE OXIDE	MnO2	1317-35-7	PF + Hepa or BE+, AS, K, F	-	-	-	86,94	-
MAY GRÜNWALD STAIN	80 to 100% of Methanol	-	AS	30	50		-	-
M-CRESOL	C7H8O	108-39-4	AS	935	1315	0.019 kPa	108,14	203

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	250 ppm	-	100 ppm	250 ppm	-	-	-	X	S
400 ppm	-	200 ppm	200 ppm	400 ppm	350 mg/m³	-	-	X	S
50 ppm	20 ppm	10 ppm	10 ppm	-	-	25 ppm	20 ppm	X	S
-	250 ppm	200 ppm	200 ppm	-	-	250 ppm	-	X	
-	50 ppm	-	-	-	-	50 ppm	-		
-	5 ppm	5 ppm	5 ppm	-	12 mg/m³	-	-	X	
50 ppm	50 ppm	100 ppm	100 ppm	50 ppm	-	50 ppm	-	X	S
10 ppm	15 ppm	-	5 ppm	-	60 mg3/m3	15 ppm	-		S
2 ppm	2 ppm	-	-	-	-	-	-		S
-	-	-	-	-	-	-	-		
0,025 mg/m³	0,025 mg/m³	0,025 inhalable aerosol mg/m³	-	-	0,025mg/m³	0,025mg/m³	-		
-	10 respirable aerosol mg/m³	-	4 inhalable aerosol mg/m³	-	10 mg/m³	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		
10 total dust mg/m³	10 respirable aerosol mg/m³	-	-	-	-	-	-		
-	10 respirable aerosol mg/m³	-	4 inhalable aerosol mg/m³	-	10 mg/m³	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		
1 mg/m³	-	0,5 mg/m³ inhalable aerosol	0,2 mg/m³ inhalable aerosol	1 mg/m³	-	-	-		
-	1 mg/m³	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	X	S
2,3 ppm	-	-	-	-	-	5 ppm	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
MEK	C4H8O	78-93-3	AS	720	820	12.6 kPa	72	80
MERCAPTO-2 ETHANOL	C2H6SO	60-24-2	BE+	900	1170	0.1 kPa	78	157
MERCURY	Hg	7439-97-6	No filtration	-	-	0.16 Pa	200,59	356
MESITYL OXIDE	C6H10O	141-79-7	AS	710	1815	1.47 kPa	98	130
MESITYLENE	C9H12	108-67-8	AS	1055	1480	16.6 kPa	120	152
METALLIC MERCURY	Hg	7439-97-6	No filtration	-	-	0.16 Pa	200,59	356,73
METHACRYLIC ACID	C4H6O2	79-41-4	AS	1400	1900	0.703 kPa (50°C)	86	161
METHANAL	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
METHANE TETRABROMIDE	CBr4	558-13-4	AS	1150	2250	5.3 kPa	332	189,5
METHANOIC ACID	CH2O2	64-18-6	AS	560	1235	5.75 kPa	46	101
METHANOL	CH4O	67-56-1	AS	30	50	16.9 kPa	32	65
METHOXYCARBONYLETHYLENE	C4H5O2	96-33-3	AS	560	770	5.3 kPa	86	80,5
METHYL ACETATE	C3H6O2	79-20-9	AS	280	400	28.8 kPa	74	58
METHYL ACETONE	C4H8O	78-93-3	AS	720	820	12.6 kPa	72	80
METHYL ACETYLENE	C3H4	74-99-7	AS	0	20	145 kPa (-25°C)	40	-23
METHYL ALCOHOL	CH4O	67-56-1	AS	30	50	16.9 kPa	32	65
METHYL ALDEHYDE	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
METHYL BENZENE	C7H8	108-88-3	AS	1100	1380	3.79 kPa	92	110
METHYL BUTYL KETONE	C6H12O	591-78-6	AS	655	1240	1.54 kPa	100	127
METHYL CELLLOSOLVE	C3H8O2	109-86-4	AS	920	1360	0.79 kPa	76	125
METHYL CHLORIDE	CH3Cl	74-87-3	AS	0	15	575 kPa	51	-24
METHYL CHLOROFORM	C2H3Cl3	71-55-6	AS	700	900	16.5 kPa	133	74
METHYL CYANIDE	C2H3N	75-05-8	AS	150	240	11.9 kPa	41	82
METHYL CYANOACRYLATE	C5H5NO2	137-05-3	AS	300	380	0.27 kPa	111	49
METHYL CYCLOHEXANE	C7H14	108-87-2	AS	900	1062,5	6.18 kPa	98	100
METHYL CYCLOHEXANOL	C7H14O	25639-42-3	AS	1010	1570	0.13 kPa	114	155
METHYL CYCLOHEXANONE	C7H12O	1331-22-2	AS	1150	1615	0.13 kPa	112	165

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	300 mg/m³	200 ppm	200 ppm	X	S
-	-	-	-	-	-	-	-	X	
-	0,02 mg/m³	0,02 mg/m³	0,02 mg/m³ inhalable aerosol	0,05 mg/m³	-	0,025 mg/m³	0,02 mg/m³		
10 ppm	15 ppm	-	5 ppm	-	60 mg3/m3	15 ppm	-		S
-	20 ppm	20 ppm	20 ppm	-	-	25 ppm	-	X	S
0,05 mg/m³	-	0,02 mg/m³	0,02 mg/m³ inhalable aerosol	-	0,02 mg/m³	-	-		
20 ppm	20 ppm	50 ppm	50 ppm	2 ppm	3 mg/m³	20 ppm	-		
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
0,1 ppm	0,1 ppm	-	-	-	1,5 mg/m³	-	-		
5 ppm	5 ppm	5 ppm	5 ppm	-	10 mg/m³	-	-	X	S
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	25 mg/m³	-	-	X	S
10 ppm	5 ppm	5 ppm	2 ppm	2 ppm	20 mg/m³	-	-	X	
200 ppm	200 ppm	200 ppm	100 ppm	200 ppm	200 mg/m³	200 ppm	-	X	S
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	300 mg/m³	200 ppm	200 ppm	X	S
1000 ppm	1000 ppm	-	-	-	-	-	-		
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	25 mg/m³	-	-	X	S
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
100 ppm	20 ppm	50 ppm	50 ppm	20 ppm	50 mg/m³	50 ppm	-	X	S
1 ppm	5 ppm	5 ppm	5 ppm	5 ppm	20 mg/m³	-	-		S
0,1 ppm	1 ppm	1 ppm	1 ppm	5 ppm	15 mg/m³	-	-		S
-	50 ppm	50 ppm	50 ppm	-	60 mg/m³	-	-	X	S
-	100 ppm	200 ppm	200 ppm	200 ppm	900 mg/m³	-	-	X	
20 ppm	40 ppm	20 ppm	20 ppm	-	30 mg/m³	-	40 ppm	X	S
2 ppm	2 ppm	2 ppm	2 ppm	-	-	-	-		
400 ppm	400 ppm	200 ppm	200 ppm	-	-	196 ppm	-		S
50 ppm	50 ppm	6 ppm	-	-	-	50 ppm	-	X	S
50 ppm	50 ppm	-	-	50 ppm	-	-	-	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
METHYL ETHER	C2H6O	115-10-6	AS	0	15	273 kPa (0°C)	46	-25
METHYL ETHYL KETONE	C4H8O	78-93-3	AS	720	820	12.6 kPa	72	80
METHYL FORMATE	C2H4O2	107-31-3	AS	40	90	78.1 kPa	60	32
METHYL ISOBUTENYL KETONE	C6H10O	141-79-7	AS	710	1815	1.47 kPa	98	130
METHYL ISOBUTYL KETONE	C6H12O	108-10-1	AS	825	1310	2.64 kPa	100	116
METHYL METACRYLATE	C5H8O2	80-62-6	AS	910	1395	5.1 kPa	100	101
METHYL PHENOL ALL ISOMERS	C7H8O	1319-77-3	AS	935	1315	0.018 kPa	108	191
METHYL PROPENOATE	C4H5O2	96-33-3	AS	560	770	5.3 kPa	86	80,5
METHYL PROPYL KETONE	C5H10O	107-87-9	AS	855	1250	4.97 kPa	86	102
METHYL STYRENE	C9H10	25013-15-4	AS	965	1450	0.13 kPa	118	152
METHYL-2-PROPANE	C4H10	75-28-5	AS	20	50	349 kPa	58	-12
METHYL-2-PROPANOL-2	C4H10O	75-65-0	AS	650	975	5.42 kPa	74	83
METHYL-3-BUTANOL-1	C5H12O	71-41-0	AS	1150	1495	0.259 kPa	88	132
METHYLACRYLATE	C4H5O2	96-33-3	AS	560	770	5.3 kPa	86	80,5
METHYLAL	C3H8O2	109-87-5	AS	455	620	53.1 kPa	76	43
METHYLAMINE	CH5N	74-89-5	AS	15	30	353 kPa	31	-7
METHYLAMYL ALCOHOL	C6H14O	108-11-2	AS	850	1310	0.39 kPa	102	132
METHYLENE CHLORIDE	CH2Cl2	75-09-2	AS	110	140	58.2 kPa	85	40
METHYLENE CHLOROBROMIDE	CH2BrCl	74-97-5	AS	1350	1660	19.5 kPa	129	68
METHYLENE DICHLORIDE	CH2Cl2	75-09-2	AS	110	140	58.2 kPa	85	40
METHYLENE OXIDE	CH2O	50-00-0	F	110	215	220 kPa (100°C)	30	-
METHYLETHYL CARBINOL	C4H10O	78-92-2	AS	705	1160	2.32 kPa	74	99,5
METHYL-N-AMYL KETONE	C7H14O	110-43-0	AS	900	1350	-	114	151
MIBC	C6H14O	108-11-2	AS	850	1310	0.39 kPa	102	132
MIBK	C6H12O	108-10-1	AS	825	1310	2.64 kPa	100	116
MICA (CONTAINING LESS THAN 1% QUARTZ)	K(Mg, Fe)3AlSi3O10(F, OH)2	12001-26-2	PF + Hepa or BE+, AS, K, F	-	-	-	797	-

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	1000 ppm	1000 ppm	1000 ppm	-	-	400 ppm	-	X	S
200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	300 mg/m³	200 ppm	200 ppm	X	S
100 ppm	100 ppm	50 ppm	50 ppm	-	-	100 ppm	-		S
10 ppm	15 ppm	-	5 ppm	-	60 mg3/m3	15 ppm	-		S
50 ppm	20 ppm	20 ppm	20 ppm	50ppm	-	50 ppm	-	X	S
100 ppm	50 ppm	50 ppm	50 ppm	8,3 mg/m³	100 mg/m³	50 ppm	50 ppm	X	S
2,3 ppm	5 ppm	-	-	5 ppm	10 mg/m³	5 ppm	-	X	
10 ppm	5 ppm	5 ppm	2 ppm	2 ppm	20 mg/m³	-	-	X	
150 ppm	200 ppm	-	-	-	-	200 ppm	-	X	S
100 ppm	50 ppm	100 ppm	100 ppm	-	-	100 ppm	-	X	S
-	-	1000 ppm	1000 ppm	-	-	-	-	X	
100 ppm	100 ppm	20 ppm	20 ppm	50 ppm	-	100 ppm	-	X	S
-	-	-	20 ppm	-	100 mg/m³	-	-	X	S
10 ppm	5 ppm	5 ppm	2 ppm	2 ppm	20 mg/m³	-	-	X	
1000 ppm	1000 ppm	1000 ppm	1000 ppm	-	-	1000 ppm	-		S
10 ppm	-	10 ppm	10 ppm	-	5 mg/m³	-	-	X	
25 ppm	25 ppm	20 ppm	20 ppm	-	-	25 ppm	-		S
-	50 ppm	50 ppm	50 ppm	100 ppm	200 mg/m³	-	100 ppm	X	
200 ppm	200 ppm	-	-	-	-	-	-	X	
-	50 ppm	50 ppm	50 ppm	100 ppm	200 mg/m³	-	100 ppm	X	
0,016 ppm	0,5 ppm	0,3 ppm	0,3 ppm	0,1 ppm	-	-	-	X	F
100 ppm	100 ppm	-	-	103 ppm	-	100 ppm	-	X	S
100 ppm	50 ppm	238 mg/m³	-	-	-	50 ppm	-		S
25 ppm	25 ppm	20 ppm	20 ppm	-	-	25 ppm	-		S
50 ppm	20 ppm	20 ppm	20 ppm	50ppm	-	50 ppm	-	X	S
3 mg/m³ respirable fraction	-	-	-	-	2 mg/m³ inhalable fraction - 1,5 mg/m³ respirable fraction	10mg/m³ inhalable fraction - 0,8 mg/m³ respirable fraction	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
MIRBANE OIL	C6H5NO2	98-95-3	AS	260	1070	0.04 kPa	123	210
MURIATIC ACID	HCl aq. sol.	7647-01-0	BE+	1620	2184	4103 kPa	37	120
MUSCOVITE	K(Mg, Fe)3AlSi3O10(F, OH)2	12001-26-2	PF + Hepa or BE+, AS, K, F	-	-	-	797	-
N,N-DIMETHYLETHYLAMINE	C4H11N	598-56-1	AS	260	350	-	73,14	36
N-AMYL ACETATE	C7H14O2	123-92-2	AS	1120	1345	0.728 kPa	130	148
N-AMYL ACETATE	C7H14O2	628-63-7	AS	1120	1345	0.6 kPa	130,18	142
NAPHTA 30/60	85% Nonane/15% trimethylbenzene	8052-41-3	AS	510	640	-	-	220
NAPHTHALENE	C10H8	91-20-3	PF + Hepa or BE+, AS, K, F	-	-	7.2 Pa	128,2	-
NAPHTHALIN	C10H8	91-20-3	PF + Hepa or BE+, AS, K, F	-	-	7.2 Pa	128,2	-
N-BUTANE	C4H10	106-97-8	AS	20	50	242 kPa	58	-12
N-BUTANETHIOL	C4H10S	109-79-5	AS	0	130	6.07 kPa	90	97
N-BUTANOL	C4H10O	71-36-3	AS	750	1400	0.86 kPa	74	117,5
N-BUTYL ACETATE	C6H12O2	123-86-4	AS	1295	1390	1.66 kPa	116	127
N-BUTYL AMINE	C4H9NH2	109-73-9	AS	110	380	12.2 kPa	73	78
N-BUTYL CHLORIDE	C4H9Cl	109-69-3	AS	500	1090	13.7 kPa	92	78,5
N-BUTYL MERCAPTAN	C4H10S	109-79-5	AS	0	130	6.07 kPa	90	97
N-ETHYLETHANAMINE	C4H11N	109-89-7	AS	235	315	30.1 kPa	73	56
N-HEXANE	C6H14	110-54-3	AS	880	1080	20.2 kPa	86	69
NICKEL METAL AND OTHER COMPOUNDS (AS NI)	Ni	7440-02-0	PF + Hepa or BE+, AS, K, F	-	-	-	58,69	2732
NINHYDRIN (POWDER)	C9H4O3 .H2O	485-47-2	HEPA	-	-	-	178,14	240
NITRIC ACID	HNO3	7697-37-2	BE+	1368	1608	6.39 kPa	63	120
NITRO BENZENE	C6H5NO2	98-95-3	AS	260	1070	0.04 kPa	123	210
NITROETHANE	C2H5NO2	79-24-3	BE+	900	1170	2.79 kPa	75	114

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
1 ppm	0,2 ppm	1 mg/m³	0,1 ppm	1 ppm	2 mg/m³	0,2 ppm	0,2 ppm		
-	-	2 ppm	2 ppm	-	-	1 ppm	5 ppm	X	A
3 mg/m³ respirable fraction	-	-	-	-	2 mg/m³ inhalable fraction 1,5 mg/m³ respirable fraction	10mg/m³ inhalable fraction 0,8 mg/m³ respirable fraction	-		
-	5 ppm	-	2 ppm	-	-	-	-	X	S
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	-	50 ppm	-	X	S
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	100 mg/m³	-	-		
350 mg/m³	-	-	-	-	-	-	-	X	S
10 ppm	10 ppm	0,1 ppm	-	-	50 mg/m³	-	10 ppm		
10 ppm	10 ppm	0,1 ppm	-	-	50 mg/m³	-	10 ppm		
800 ppm	800 ppm	1000 ppm	1000 ppm	-	-	600 ppm	-	X	S
-	0,5 ppm	0,5 ppm	0,5 ppm	-	2 mg/m³	-	-	X	S
-	-	100 ppm	100 ppm	25 ppm	100 mg/m³	-	-	X	S
150 ppm	150 ppm	62 ppm	100 ppm	150 ppm	200 mg/m³	150 ppm	-	X	S
-	-	-	2 ppm	-	-	-	-	X	S
-	-	25 ppm	-	-	-	-	-		
-	0,5 ppm	0,5 ppm	0,5 ppm	-	2 mg/m³	-	-	X	S
10 ppm	5 ppm	5 ppm	5 ppm	-	-	5 ppm	-	X	S
50 ppm	20 ppm	50 ppm	50 ppm	50 ppm	100 mg/m³	20 ppm	-	X	S
0,015 mg/m³	1 mg/m³	-	-	-	1 mg/m³	-	-		
-	-	-	-	-	-	-	-		
2 ppm	-	-	-	2 ppm	-	1 ppm	-	X	A
1 ppm	0,2 ppm	1 mg/m³	0,1 ppm	1 ppm	2 mg/m³	0,2 ppm	0,2 ppm		
100 ppm	100 ppm	100 ppm	10 ppm	-	300 mg/m³	-	20 ppm	X	S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
NITROGEN DIOXIDE	NO2	10102-44-0	No filtration	-	-	101 kPa	46	-
NITROGLYCERINE	C3H5N3O9	55-63-0	No filtration	-	-	0.03 Pa	227,1	-
NITROMETHANE	CH3NO2	75-52-5	BE+	600	972	4.79 kPa	61	101
NITROPROPANE 2	C3H7NO2	79-46-9	BE+	768	1044	2.3 kPa	89	120
N-OCTANE	C8H18	111-65-9	AS	800	990	1.86 kPa	114	126
NONANE ALL ISOMERS	C9H20	111-84-2	AS	885	1150	0.57 kPa	128	151
N-PENTANE	C5H12	109-66-0	AS	510	640	68.3 kPa	72	36
ORTHOPHOSPHORIC ACID	H3PO4	7664-38-2	BE+	1296	1674	0.004 kPa	98	276
OSMIUM TETROXIDE (AS OS)	OsO4	20816-12-0	No filtration	-	-	0.93 kPa	-	-
O-TOLUIDINE	C7H9N	119-93-7	AS	145	387,5	0.039 kPa	107,15	199
OXALIC ACID	C2H2O4	144-62-7	PF + Hepa or BE+, AS, K, F	-	-	0.13 Pa	90,03	-
O-XYLENE	C8H10	95-47-6	AS	1215	1600	0.88 kPa	106	138
OZONE	O3	10028-15-6	No filtration	-	-	101 kPa	48	-
PARAQUAT	C12H14N2	4685-14-7	HEPA	-	-	-	186,26	-
PARATHION	C10H14NO5PS	56-38-2	HEPA	-	-	0.005 kPa	291,26	-
P-CRESOL	C7H8O	106-44-5	AS	935	1315	0.017 kPa	108,14	202
P-DICHLOROBENZENE	C6H4Cl2	106-46-7	AS	1255	2550	0.003 kPa	147	173
PENTACHLOROETHANE	C2H5Cl5	76-01-7	AS	1765	3060	0.39 kPa	200	161
PENTANOL 1	C5H12O	71-41-0	AS	1150	1495	0.259 kPa	88	138
PENTYL ACETATE	C7H14O2	628-63-7	AS	1120	1345	0.6 kPa	130,18	142
PERCHLORIC ACID	HClO4	7601-90-3	BE+	1296	1674	-	100	203
PERCHLOROETHYLENE	C2Cl4	127-18-4	AS	1540	2330	2.42 kPa	166	121
PETROLEUM ETHER 30/60	ether de petrole 30/60	8032-32-4	AS	510	640	5.3 kPa	75	-
PHENOL	C6H6O	108-95-2	AS	200	1075	0.055 kPa	94	182
PHENOLPHTALEINE	C20H14O4	77-09-8	HEPA	-	-	-	318,32	-

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	-	-	0,5ppm	-	5mg/m³	3 ppm	0,5 ppm		
-	0,1 ppm	0,01 ppm	0,01 ppm	-	-	-	-		
-	100 ppm	-	-	-	50 mg/m³	-	-	X	S
-	-	0,55 ppm	-	-	30 mg/m³	5 ppm	-	X	S
75 ppm	300 ppm	500 ppm	500 ppm	-	500 mg/m³	210 ppm	-	X	S
200 ppm	200 ppm	-	-	-	500 mg/m³	222 ppm	-	X	S
120 ppm	1000 ppm	1000 ppm	1000 ppm	-	-	600 ppm	-	X	S
1 mg/m³	0,2 ppm	2 inhalable aerosol mg/m³	2 inhalable aerosol mg/m³	1 mg/m³	1 ppm	1 mg/m³	1 mg/m³		
0,0002 ppm	0,0002 ppm	-	-	-	-	0,0002 ppm	-		
-	-	-	-	-	-	-	-		
1 mg/m³	1 mg/m³	1inhalable aerosol mg/m³	-	-	1 mg/m³	1 mg/m³	-		
100 ppm	50 ppm	100 ppm	100 ppm	100 ppm	50 mg/m³	-	50 ppm	X	S
-	0,1 ppm	-	-	-	-	-	-		
0,1 mg/m³	0,1 mg/m³	-	-	-	0,5 mg/m³ (respirrable aerosol)	-	-		
0,05 mg/m³	0,1 mg/m³	0,1 inhalable aerosol mg/m³	0,1 inhalable aerosol mg/m³	-	0,05 mg/m³	-	-		
2,3 ppm	-	-	-	-	-	5 ppm	-		
-	0,75 ppm	1 ppm	-	-	30mg/m³	25 ppm	-		S
-	-	-	5 ppm	-	-	-	-		
-	-	-	20 ppm	-	100 mg/m³	-	-		S
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	100 mg/m³	-	-		
-	-	-	-	-	-	-	-		
-	20 ppm	20 ppm	-	50 ppm	200 mg/m³	50 ppm	-	X	
350 mg/m³	-	-	-	-	-	-	-	X	S
5 ppm	2 ppm	2 ppm	-	-	10 mg/m³	2 ppm	-	X	S
-	-	-	-	-	-	-	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
PHENYL AMINE	C6H5NH2	62-53-3	AS	910	1620	0.09 kPa	93	184
PHENYL CHLORIDE	C6H5Cl	108-90-7	AS	1230	1970	1.6 kPa	113	133
PHENYL ETHER	C12H10O	101-84-8	AS	180	1920	< 1hPa	170	259
PHENYL GLYCIDYL ETHER	C9H10O2	122-60-1	AS	510	1845	1.3 Pa	150	245
PHENYL HYDROXIDE	C6H6O	108-95-2	AS	200	1075	0.055 kPa	94	182
PHENYLETHANE	C8H10	100-41-4	AS	1140	1450	1.28 kPa	106	136
PHENYLETHYLENE	C8H8	100-42-5	AS	1050	1050	0.81 kPa	104	146
PHENYLMETHANE	C7H8	108-88-3	AS	1100	1380	3.79 kPa	92	110
PHOSPHORIC ACID	H3PO4	7664-38-2	BE+	1296	1674	0.004 kPa	98	276
PLATINUM	Pt	7440-06-4	PF + Hepa or BE+, AS, K, F	-	-	-	195,8	4300
POTASSIUM HYDRATE	KOH	1310-58-3	PF + Hepa or BE+, AS, K, F	-	-	0.13 kPa (1044°C)	56,11	-
POTASSIUM HYDROXIDE	KOH	1310-58-3	PF + Hepa or BE+, AS, K, F	-	-	0.13 kPa (1044°C)	56,11	-
PROPANAL	C3H6O	123-38-6	F	420	497,5	42.2 kPa	58,08	46
PROPANE	C3H8	74-98-6	AS	0	10	939 kPa	44	-42
PROPANOL-1	C3H8O	71-23-8	AS	600	695	2.76 kPa	60	97
PROPANAMINE	C3H9NO	107-10-8	AS	200	320	42.1 kPa	75	180
PROPARGYL ALCOHOL	C3H4O	107-19-7	AS	460	625	1.59 kPa	56	113
PROPENENITRILE	C3H3N	107-13-1	AS	190	405	11.3 kPa	53	77
PROPYL ACETATE	C5H10O2	109-60-4	AS	1115	1310	4.49 kPa	102	102
PROPYL ALCOHOL	C3H8O	71-23-8	AS	600	695	2.76 kPa	60	97
PROPYL MERCAPTAN	C3H8S	107-03-9	AS	0	65	20.6 kPa	76,2	67
PROPYLACETATE	C5H10O2	109-60-4	AS	1115	1310	4.49 kPa	102,13	102
PROPYLAMINE	C3H9N	107-10-8	AS	200	320	42.1 kPa	59	48
PROPYLBENZENE	C9H12	108-67-8	AS	1055	1480	16.6 kPa	120	152
PROPYLENE ALDEHYDE	C4H6O	4170-30-3	AS	600	825	4.92 kPa	70	102

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	2 ppm	2 ppm	2 ppm	-	3 mg/m³	-	-	X	
-	5 ppm	10 ppm	10 ppm	10 ppm	50 mg/m³	1 ppm	-	X	S
1ppm	1 ppm	1 ppm	1 ppm	-	7mg/m³	1 ppm	-		
-	1 ppm	-	-	-	-	1 ppm	-		
5 ppm	2 ppm	2 ppm	-	-	10 mg/m³	2 ppm	-	X	S
100ppm	20 ppm	20ppm	20ppm	20ppm	100mg/m³	100 ppm	-	X	S
50ppm	50 ppm	20 ppm	20 ppm	50ppm	50mg/m³	100 ppm	-	X	S
100 ppm	20 ppm	50 ppm	50 ppm	20 ppm	50 mg/m³	50 ppm	-	X	S
1 mg/m³	0,2 ppm	2 inhalable aerosol mg/m³	2 inhalable aerosol mg/m³	1 mg/m³	1 ppm	1 mg/m³	1 mg/m³		
1 mg/m³	1 mg/m³	1 mg/m³ inhalable aerosol	-	-	-	-	-		
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
1000 ppm	-	1000 ppm	1000 ppm	-	-	-	-	X	S
200 ppm	200 ppm	-	-	-	200 mg/m³	-	-	X	S
-	-	-	-	-	-	-	-	X	
1 ppm	1 ppm	2 ppm	2 ppm	-	-	1 ppm	-		
1 ppm	2 ppm	1,2 ppm	-	2 ppm	1 mg/m³	2 ppm	-	X	
200 ppm	200 ppm	-	100 ppm	200 ppm	200 mg/m³	200 ppm	-	X	S
200 ppm	200 ppm	-	-	-	200 mg/m³	-	-	X	S
0,3 ppm	-	-	-	-	-	-	-		
200 ppm	200 ppm	-	100 ppm	200 ppm	200 mg/m³	200 ppm	-	X	S
-	-	-	-	-	-	-	-	X	
-	20 ppm	20 ppm	20 ppm	-	-	25 ppm	-	X	S
-	2 ppm	-	-	-	-	-	-		S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
PROPYLENE CHLORIDE	C3H6Cl2	78-87-5	AS	810	1125	6.62 kPa	113	97
PROPYLENE DICHLORIDE	C3H6Cl2	78-87-5	AS	810	1125	6.62 kPa	113	97
PROPYLENE OXIDE	C3H6O	75-56-9	AS	105	160	59.3 kPa	58	34
PROPYNE	C3H4	74-99-7	AS	0	20	145 kPa (-25°C)	40	-23
PRUSSIC ACID	HCN	74-90-8	BE+	204	270	82.7 kPa	27	26
P-TOLUIDINE	C7H9N	106-49-0	AS	145	387,5	1.74 kPa	107,2	200
PYRIDINE	C5H5N	110-86-1	AS	400	800	2.13 kPa	79	115
PYROCELLULOSE	(C6H10O5)n	9004-34-6	PF + Hepa or BE+, AS, K, F	-	-	-	160,000-560,000	-
QUARTZ	SiO2	14808-60-7	PF + Hepa or BE+, AS, K, F	-	-	-	60,1	2230
RED IRON OXIDE	Fe2O3	1309-37-1	PF + Hepa or BE+, AS, K, F	-	-	-	159,7	-
SACCAROSE	C12H22O11	57-50-1	PF + Hepa or BE+, AS, K, F	-	-	-	342,3	-
SBA	C4H10O	78-92-2	AS	705	1160	2.32 kPa	74	99,5
SEC-AMYL ACETATE	C7H14O2	123-92-2	AS	1150	1525	0.728 kPa	130	123
SEC-BUTYL AMINE	C4H9NH2	13952-84-6	AS	95	350	23 kPa	73	63
SILICA GEL	SiO2	7631-86-9	HEPA	-	-	-	60,1	2230
SILICA, AMORPHOUS	SiO2	7631-86-9	HEPA	-	-	-	60,1	2230
SILICON	Si	7440-21-3	HEPA	-	-	-	28,1	2355
SILVER (DUST)	Ag	7440-22-4	HEPA	-	-	0.34 Pa (961°C)	107,87	2000

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	75 ppm	-	-	1 ppm	350 mg/m³	-	-	X	S
-	75 ppm	-	-	1 ppm	350 mg/m³	-	-	X	S
-	20 ppm	2 ppm	2 ppm	-	5 mg/m³	5 ppm	-	X	S
1000 ppm	1000 ppm	-	-	-	-	-	-		
-	2 ppm	-	1,9 ppm	5 ppm	-	-	-	X	
-	-	-	-	-	-	-	-		
5 ppm	5 ppm	-	-	-	4 mg/m³	5 ppm	-	X	S
10 total dust mg/m³	10 inhalable aerosol mg/m³	-	-	-	10 mg/m³	10 inhalable aerosol mg/m³	-		
30/(%silica+2) total dust mg/m³	0,1 respirable aerosol mg/m³	-	-	-	1 mg/m³ rrespirable fraction	-	-		
5 mg/m³ (total particulate)	-	-	-	-	-	5 mg/m³	-		
10 mg/m³ total dust 5 mg/m³ respirable fraction	10 mg/m³	-	-	-	-	-	-		
100 ppm	100 ppm	-	-	104 ppm	-	100 ppm	-	X	S
100 ppm	50 ppm	50 ppm	50 ppm	100 ppm	-	50 ppm	-		S
-	-	-	2 ppm	-	-	-	-	X	S
-	-	4 inhalable aerosol mg/m³	4 inhalable aerosol mg/m³	-	2 mg/m³ inhalable fraction	-	-		
-	-	4 inhalable aerosol mg/m³	4 inhalable aerosol mg/m³	-	2 mg/m³ inhalable fraction	-	-		
-	10 mg/m³ respirable aerosol	-	-	-	-	-	-		
-	-	0,01 mg/m³ inhalable aerosol	0,01 mg/m³ inhalable aerosol	-	-	-	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
SODIUM BISULPHITE	HNaO3S	7631-90-5	PF + Hepa or BE+, AS, K, F	-	-	-	104,06	-
SODIUM HYDRATE	NaOH	1310-73-2	PF + Hepa or BE+, AS, K, F	-	-	-	40	1390
SODIUM HYDROXIDE	NaOH	1310-73-2	PF + Hepa or BE+, AS, K, F	-	-	-	40	1390
STODDARD SOLVENT	85% Nonane/15% trimethylbenzene	8052-41-3	AS	510	640	-	-	220
STRYCHNINE	C21H22N2O2	57-24-9	HEPA	-	-	-	334,42	-
STYRENE	C8H8	100-42-5	AS	1050	1050	0.81 kPa	104	146
SULFURIC ACID	H2SO4	7664-93-9	BE+	1296	1674	1.3 Pa	98	296
TERT-BUTYL ACETATE	C6H12O2	540-88-5	AS	990	1570	-	116	96
TERT-BUTYL ALCOHOL	C4H10O	75-65-0	AS	650	975	5.42 kPa	74	83
TERT-BUTYL CHLORIDE	C4H9Cl	507-20-0	AS	450	940	21.2 kPa	96	68
TETRABROMOMETHANE	CBr4	558-13-4	AS	1150	2250	5.3 kPa	332	189,5
TETRACHLOROETHYLENE	C2Cl4	127-18-4	AS	1540	2330	2.42 kPa	166	121
TETRACHLOROMETHANE	CCl4	56-23-5	AS	1050	2325	15.2 kPa	154	77
TETRAHYDROFURAN	C4H8O	109-99-9	AS	700	870	21.6 kPa	72	65
TFA	C2HF3O2	76-05-1	AS	750	900	15.1kPa	114	72
THF	C4H8O	109-99-9	AS	700	870	21.6 kPa	72	65
TIN (INORGANIC COMPOUNDS, AS SN)	Sn	7440-31-5	PF + Hepa or BE+, AS, K, F	-	-	-	118,69	2260
TIN(IV) OXIDE (AS SN)	O2Sn	18282-10-5	PF + Hepa or BE+, AS, K, F	-	-	-	150,69	-
TITANIUM DIOXIDE	TiO2	13463-67-7	HEPA	-	-	-	79,9	2900

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
5 mg/m³	5 mg/m³	-	-	-	-	5 mg/m³	-		
-	2 mg/m³	-	-	-	-	-	-		
-	2 mg/m³	-	-	-	-	-	-		
350 mg/m³	-	-	-	-	-	-	-	X	S
0,15 mg/m³	0,15 mg/m³	-	-	-	-	-	-		
50ppm	50 ppm	20 ppm	20 ppm	50ppm	50mg/m³	100 ppm	-	X	S
1 mg/m³	0,05 mg/m³ thoracic fraction	0,1 mg/m³ inhalable aerosol	0,1 inhalable aerosol mg/m³	1 ppm	1 mg/m³	-	0,05 mg/m³	X	
200 ppm	200 ppm	42 ppm	50 ppm	-	-	-	-	X	S
100 ppm	100 ppm	20 ppm	20 ppm	50 ppm	-	100 ppm	-	X	S
-	-	-	-	-	-	-	-		
0,1 ppm	0,1 ppm	-	-	-	1,5 mg/m³	-	-		
-	20 ppm	20 ppm	-	50 ppm	200 mg/m³	50 ppm	-	X	
-	2 ppm	0,5 ppm	0,5 ppm	-	15 mg/m³	-	-	X	
200 ppm	50 ppm	50 ppm	50 ppm	50 ppm	300 mg/m³	50 ppm	-	X	S
-	-	-	-	-	-	-	-		
200 ppm	50 ppm	50 ppm	50 ppm	50 ppm	300 mg/m³	50 ppm	-	X	S
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
-	11 inhalable aerosol mg/m³	-	-	-	8 mg/m³ inhalable fraction	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	-		

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
TMA	C3H9N	75-50-3	AS	25	40	215 kPa	59	-4
TOLUENE	C7H8	108-88-3	AS	1100	1380	3.79 kPa	92	110
TOLUOL	C7H8	108-88-3	AS	1100	1380	3.79 kPa	92	110
TRIBROMOMETHANE	CHBr3	75-25-2	AS	690	750	0.726 kPa	253	149,5
TRICHLOROACETIC ACID	C2HCl3O2	76-03-9	AS	1150	2250	0.101 kPa (50°C)	163	198
TRICHLOROETHANE-1,1,2	C2H3Cl3	79-00-5	AS	1450	1550	3.1 kPa	132	114
TRICHLOROETHANOIC ACID	C2HCl3O2	76-03-9	AS	1150	2250	0.101 kPa (50°C)	163,39	197,55
TRICHLOROETHENE	C2HCl3	79-01-6	AS	1505	1630	9.91 kPa	130	86
TRICHLOROETHYLENE	C2HCl3	79-01-6	AS	1505	1630	9.91 kPa	130	86
TRICHLOROMETHANE	CHCl3	67-66-3	AS	590	650	26.2 kPa	119	61
TRIETHYLAMINE	C6H15N	121-44-8	AS	205	180	7.7 kPa	101	90
TRIFLUOROACETIC ACID	C2HF3O2	76-05-1	AS	750	900	15.1kPa	114	72
TRIMETHYL CARBINOL	C4H10O	75-65-0	AS	650	975	5.42 kPa	74	83
TRIMETHYL METHANE	C4H10	75-28-5	AS	20	50	350 kPa	58	-12
TRIMETHYL PENTANE-2,2,4	C8H18	540-84-1	AS	990	1240	6.5 kPa	114	99
TRIMETHYLAMINE	C3H9N	75-50-3	AS	25	40	215 kPa	59	-4
TRIMETHYLBENZENE	C9H12	108-67-8	AS	1055	1480	16.6 kPa	120	152
TRINITROGLYCERINE	C3H5N3O9	55-63-0	No filtration	-	-	0.001 kPa (100°C)	227,1	-
TUNGSTEN insoluble	W	7440-33-7	PF + Hepa or BE+, AS, K, F	-	-	-	183,84	5555
TURPENTINE OIL	C10H16	8006-64-2	AS	900	1185	0.53 kPa	-	160
UREA	CH4N2O	57-13-6	PF + Hepa or BE+, AS, K, F	-	-	-	60,06	-
VC	C2H3Cl	75-01-4	AS	25	40	355 kPa	61	-14
VERT DE BROMOCRESOL	C21H14Br4O5S	76-60-8	PF + Hepa or BE+, AS, K, F	-	-	-	698,01	-
VINYL ACETATE	C4H6O2	108-05-4	AS	560	770	15.4 kPa	86	73
VINYL BROMIDE	C2H3Br	593-60-2	AS	30	40	141 kPa	107	16
VINYL CARBINOL	C3H6O	107-18-6	AS	475	565	3.14 kPa	58	97

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
10 ppm	-	-	2 ppm	-	-	-	-	X	S
100 ppm	20 ppm	50 ppm	50 ppm	20 ppm	50 mg/m³	50 ppm	-	X	S
100 ppm	20 ppm	50 ppm	50 ppm	20 ppm	50 mg/m³	50 ppm	-	X	S
0,5 ppm	0,5 ppm	-	-	1 ppm	-	-	-	X	S
1 ppm	1 ppm	-	0,2 ppm	-	-	-	-	X	
10 ppm	-	10 ppm	10 ppm	10 ppm	-	-	-	X	
1 ppm	1 ppm	-	0,2 ppm	-	-	-	-	X	
25 ppm	75 ppm	6 ppm	-	25 ppm	30 mg/m³	100 ppm	-	X	
25 ppm	75 ppm	6 ppm	-	25 ppm	30 mg/m³	100 ppm	-	X	
-	2 ppm	0,5 ppm	0,5 ppm	3 ppm	20 mg/m³	-	-	X	S
-	1 ppm	1 ppm	1 ppm	-	-	2 ppm	-	X	S
-	-	-	-	-	-	-	-		
100ppm	100 ppm	20 ppm	20 ppm	50 ppm	-	100 ppm	-	X	S
-	-	1000 ppm	1000 ppm	-	-	-	-	X	
-	-	-	-	-	-	-	-	X	S
10 ppm	-	-	2 ppm	-	-	-	-	X	S
-	20 ppm	20 ppm	20 ppm	-	-	25 ppm	-	X	S
-	0,1 ppm	0,01 ppm	0,01 ppm	-	-	-	-		
5 mg/m³	-	-	-	-	5 mg/m³	-	-		
100 ppm	100 ppm	-	5 ppm	50 ppm	300 mg/m³	100 ppm	-		
-	-	-	-	-	-	-	-		
-	1 ppm	3 ppm	-	2 ppm	10 mg/m³	-	-	X	S
-	-	-	-	-	-	-	-		
-	5 ppm	5 ppm	-	-	10mg/m³	10 ppm	-	X	S
-	-	-	-	-	-	-	-		
2 ppm	0,2 ppm	2 ppm	-	-	2 mg/m³	2 ppm	-		S

Chemical name	Formula	CAS number	Suitable filter	1C column type (g)	2C column type (g)	Vapor pressure	MM (g/mol)	Boiling point (°C)
VINYL CHLORIDE	C2H3Cl	75-01-4	AS	25	40	355 kPa	61	-14
VINYL CYANIDE	C3H3N	107-13-1	AS	190	405	11.3 kPa	53	77
VINYL ETHYLENE	C4H6	106-99-0	AS	20	50	120 kPa (0°C)	54	-4,5
VINYL TOLUENE	C9H10	25013-15-4	AS	965	1450	0.13 kPa	118	170
VINYL TRICHLORIDE	C2H3Cl3	79-00-5	AS	1450	1550	3.1 kPa	132	114
VINYLBENZENE	C8H8	100-42-5	AS	1050	1050	0.81 kPa	104	146
WHITE SPIRIT	85% Nonane/15% trimethylbenzene	8052-41-3	AS	510	640	-	-	220
XYLENE	C8H10	1330-20-7	AS	1215	1600	1.15 kPa	106	138
XYLENE (ISOMERS)	C8H10	1330-20-7	AS	1215	1600	1.15 kPa	106	138
ZINC OXIDE	ZnO	1314-13-2	PF + Hepa or BE+, AS, K, F	-	-	-	81,38	-

NIOSH 8h	France 8h	AGS 8h	DFG 8h	Japan 8h	China 8h	UK 8h	European union 8h	Detection	
								Manual	Sensor
-	1 ppm	3 ppm	-	2 ppm	10 mg/m³	-	-	X	S
1 ppm	2 ppm	1,2 ppm	-	2 ppm	1 mg/m³	2 ppm	-	X	
0,19 ppm	-	2 ppm	-	-	5 mg/m³	10 ppm	-	X	S
100 ppm	50 ppm	100 ppm	100 ppm	-	-	100 ppm	-	X	S
10 ppm	-	10 ppm	10 ppm	10 ppm	-	-	-	X	
50ppm	50 ppm	20 ppm	20 ppm	50ppm	50mg/m³	100 ppm	-	X	S
350 mg/m³	-	-	-	-	-	-	-	X	S
100 ppm	50 ppm	100 ppm	100 ppm	100 ppm	50 mg/m³	50 ppm	-	X	S
100 ppm	50 ppm	100 ppm	100 ppm	100 ppm	50 mg/m³	50 ppm	-	X	S
5 mg/m³	5 mg/m³	-	-	-	-	5 mg/m³	-		

List of chemicals substances by formula

Formula	Chemical name
Ag	SILVER (DUST)
Al	ALUMINIUM
Al2O3	ALUMINA
Al2O3	ALUMINUM OXIDE
Al2O3	ALUMINUM TRIOXIDE
Al2Si2O5(OH)4	CLAY
As	ARSENIC (INORGANIC COMPOUNDS, AS AS)
BF3	BORON TRIFLUORIDE
B2O3	BORON OXIDE
BaCl2.2H2O	BARIUM CHLORIDE
Be	BERYLLIUM COMPOUNDS (AS BE)
Br2	BROMINE
C	CARBON BLACK
C	GRAPHITE (SYNTHETIC)
CBr4	CARBON BROMIDE
CBr4	CARBON TETRABROMIDE
CBr4	METHANE TETRABROMIDE
CBr4	TETRABROMOMETHANE
CCl4	CARBON TETRACHLORIDE
CCl4	TETRACHLOROMETHANE
CHBr3	TRIBROMOMETHANE
CHBr3	BROMOFORM
CHCl3	CHLOROFORM
CHCl3	TRICHLOROMETHANE

Formula	Chemical name
CHI3	IODOFORM
CH2BrCl	BROMOCHLOROMETHANE
CH2BrCl	CHLOROBROMOMETHANE
CH2BrCl	METHYLENE CHLOROBROMIDE
CH2Cl2	DICHLOROMETHANE
CH2Cl2	METHYLENE CHLORIDE
CH2Cl2	METHYLENE DICHLORIDE
CH2O	FORMALDEHYDE
CH2O	FORMALDEHYDE SOLUTION
CH2O	FORMALIN (AS FORMALDEHYDE)
CH2O	FORMIC ALDEHYDE
CH2O	METHANAL
CH2O	METHYL ALDEHYDE
CH2O	METHYLENE OXIDE
CH2O2	FORMAMIDE
CH2O2	FORMIC ACID
CH2O2	METHANOIC ACID
CH3Cl	CHLOROMETHANE
CH3Cl	METHYL CHLORIDE
CH3NO2	NITROMETHANE
CH4N2O	UREA
CH4O	METHANOL
CH4O	METHYL ALCOHOL
CH5N	AMINOMETHANE

Formula	Chemical name
CH5N	METHYLAMINE
C2Cl4	PERCHLOROETHYLENE
C2Cl4	TETRACHLOROETHYLENE
C2HBrClF3	HALOTHANE
C2HCl3	ETHYLENE TRICHLORIDE
C2HCl3	TRICHLOROETHENE
C2HCl3	TRICHLOROETHYLENE
C2HCl3O2	TRICHLOROACETIC ACID
C2HCl3O2	TRICHLOROETHANOIC ACID
C2HF3O2	TFA
C2HF3O2	TRIFLUOROACETIC ACID
C2H2	ACETYLENE
C2H2	ETHENE
C2H2	ETHYNE
C2H2Br4	1,1,2,2-TETRABROMOETHANE
C2H2Br4	ACETYLENE TETRABROMIDE
C2H2Cl2	1,2-DICHLOROETHYLENE
C2H2Cl2	ACETYLENE DICHLORIDE
C2H2Cl4	ACETYLENE TETRACHLORIDE
C2H2Cl4	1,1,2,2-TETRACHLOROETHANE
C2H2O4	ETHANEDIOIC ACID
C2H2O4	OXALIC ACID
C2H3Br	BROMOETHENE
C2H3Br	BROMOETHYLENE
C2H3Br	VINYL BROMIDE
C2H3Cl	CHLOROETHENE
C2H3Cl	CHLOROETHYLENE
C2H3Cl	VC

Formula	Chemical name
C2H3Cl	VINYL CHLORIDE
C2H3Cl3	1,1,1-TRICHLOROETHANE
C2H3Cl3	CHLOROTHENE
C2H3Cl3	METHYL CHLOROFORM
C2H3Cl3	TRICHLOROETHANE-1,1,2
C2H3Cl3	VINYL TRICHLORIDE
C2H3N	ACETONITRILE
C2H3N	CYANOMETHANE
C2H3N	ETHYL NITRILE
C2H3N	METHYL CYANIDE
C2H3OCl	2-CHLOROACETALDEHYDE
C2H3OCl	2-CHLOROETHANAL
C2H4Br2	1,2-DIBROMOETHANE
C2H4Br2	ETHYLENE BROMIDE
C2H4Br2	ETHYLENE DIBROMIDE
C2H4Cl2	1,1-DICHLOROETHANE
C2H4Cl2	1,2-DICHLOROETHANE
C2H4Cl2	ETHYLENE CHLORIDE
C2H4Cl2	ETHYLENE DICHLORIDE
C2H4Cl2	ETHYLIDENE CHLORIDE
C2H4O	ACETALDEHYDE
C2H4O	ETHANAL
C2H4O	ETHYL ALDEHYDE
C2H4O2	ACETIC ACID
C2H4O2	ETHANOIC ACID
C2H4O2	GLACIAL ACETIC ACID (PURE COMPOUND)
C2H4O2	METHYL FORMATE

Formula	Chemical name
C2H5Br	BROMOETHANE
C2H5Br	ETHYL BROMIDE
C2H5Cl	CHLOROETHANE
C2H5Cl	ETHYL CHLORIDE
C2H5Cl5	PENTACHLOROETHANE
C2H5NO2	NITROETHANE
C2H5OCl	ETHYLEN CHLORHYDRIN
C2H5OCl	ETHYLENE CHLOROHYDRIN
C2H5OCl	2-CHLOROETHANOL
C2H5OCl	2-CHLOROETHYL ALCOHOL
C2H6O	ABSOLUTE ALCOHOL
C2H6O	ALCOHOL
C2H6O	DIMETHYL ETHER
C2H6O	ETHANOL
C2H6O	ETHYL ALCOHOL
C2H6O	METHYL ETHER
C2H6O2	1,2-ETHANEDIOL
C2H6O2	5-METHYL-3-HEPTANONE
C2H6O2	ETHYLENE ALCOHOL
C2H6O2	ETHYLENE GLYCOL
C2H6O2	GLYCOL
C2H6SO	DIMETHYL SULFOXIDE
C2H6SO	DMSO
C2H6SO	MERCAPTO-2 ETHANOL
C2H7N	AMINOETHANE
C2H7N	DIMETHYL AMINE
C2H7N	DMA
C2H7N	ETHYLAMINE

Formula	Chemical name
C2H7NO	2-AMINOETHANOL
C2H7NO	BETA-AMINOETHYL ALCOHOL
C2H7NO	ETHANOLAMINE
C2H8N2	ETHYLENE DIAMINE (SOLUTION)
C2H8N2	ETHYLENEDIAMINE
C3H2F5ClO	FORENE
C3H2F5ClO	ISOFLURANE
C3H3N	2-PROPENENITRILE
C3H3N	ACRYLONITRILE
C3H3N	PROPENENITRILE
C3H3N	VINYL CYANIDE
C3H4	ALLYLENE
C3H4	METHYL ACETYLENE
C3H4	PROPYNE
C3H4Cl2	1,3-DICHLOROPROPENE
C3H4Cl2	1,3-DICHLOROPROPYLENE
C3H4O	2-PROPENAL
C3H4O	2-PROPYN-1-OL
C3H4O	2-PROPYNYL ALCOHOL
C3H4O	ACROLEIN
C3H4O	ACRYLIC ALDEHYDE
C3H4O	ALLYL ALDEHYDE
C3H4O	PROPARGYL ALCOHOL
C3H4O2	2-PROPENOIC ACID
C3H4O2	ACROLEIC ACID
C3H4O2	ACRYLIC ACID
C3H5Cl	ALLYL CHLORIDE
C3H5Cl	3-CHLORO-1-PROPENE

Formula	Chemical name
C3H5ClO	1-CHLORO-2,3-EPOXYPROPANE
C3H5ClO	EPICHLORHYDRINE
C3H5ClO	2-CHLOROPROPYLENE OXIDE
C3H5NO	2-PROPENAMIDE
C3H5NO	ACRYLAMIDE
C3H5N3O9	NITROGLYCERINE
C3H5N3O9	TRINITROGLYCERINE
C3H6Cl2	DICHLOROPROPANE 1, 2
C3H6Cl2	PROPYLENE CHLORIDE
C3H6Cl2	PROPYLENE DICHLORIDE
C3H6NO2Cl	CHLORO-1-NITROPROPANE 1
C3H6NO2Cl	KORAX
C3H6O	2-PROPANONE
C3H6O	2-PROPEN-1-OL
C3H6O	2-PROPENOL
C3H6O	ACETONE
C3H6O	ALLYL ALCOHOL
C3H6O	ALLYLIC ALCOHOL
C3H6O	DIMETHYL KETONE
C3H6O	PROPANAL
C3H6O	PROPYLENE OXIDE
C3H6O	VINYL CARBINOL
C3H6O2	1,3-DIOXOLANE
C3H6O2	EPOXY-2,3-PROPANOL-1
C3H6O2	ETHYL FORMATE
C3H6O2	GLYCIDE
C3H6O2	GLYCIDOL
C3H6O2	METHYL ACETATE

Formula	Chemical name
C3H7NO	DIMETHYLFORMAMIDE
C3H7NO	DMF
C3H7NO2	ISO-NITROPROPANE
C3H7NO2	NITROPROPANE 2
C3H8	DIMETHYLMETHANE
C3H8	PROPANE
C3H8O	2-PROPANOL
C3H8O	DIMETHYL CARBINOL
C3H8O	IPA
C3H8O	ISOPROPANOL
C3H8O	ISOPROPYL ALCOHOL
C3H8O	PROPANOL-1
C3H8O	PROPYL ALCOHOL
C3H8O	1-PROPANOL
C3H8O2	DIMETHOXYMETHANE
C3H8O2	METHYL CELLLOSOLVE
C3H8O2	METHYLAL
C3H8O3	GLYCEROL , MIST
C3H8S	1-PROPANETHIOL
C3H8S	PROPYL MERCAPTAN
C3H9N	2-AMINOPROPANE
C3H9N	ISOPROPYLAMINE
C3H9N	PROPYLAMINE
C3H9N	TMA
C3H9N	TRIMETHYLAMINE
C3H9N	2-PROPYLAMINE
C3H9NO	1-AMINOPROPANE
C3H9NO	2-AMINO 1-PROPANOL

Formula	Chemical name
C3H9NO	3-AMINO-1-PROPANOL
C3H9NO	PROPANAMINE
C4H4Cl	BETA-CHLOROPRENE
C4H4Cl	CHLOROBUTADIENE
C4H5Cl	CHLOROPRENE
C4H5O2	METHOXYCARBONYLETHYLENE
C4H5O2	METHYL PROPENOATE
C4H5O2	METHYLACRYLATE
C4H6	1,3-BUTADIENE
C4H6	DIVINYL
C4H6	ERYTHRENE
C4H6	VINYL ETHYLENE
C4H6O	2-BUTENAL
C4H6O	BETA-METHYL ACROLEIN
C4H6O	CROTONALDEHYDE
C4H6O	PROPYLENE ALDEHYDE
C4H6O2	METHACRYLIC ACID
C4H6O2	VINYL ACETATE
C4H6O3	ACETIC ANHYDRE
C4H6O3	ACETIC OXIDE
C4H8O	2-BUTANONE
C4H8O	DIETHYLENE OXIDE
C4H8O	ETHYL METHYL KETONE
C4H8O	MEK
C4H8O	METHYL ACETONE
C4H8O	METHYL ETHYL KETONE
C4H8O	TETRAHYDROFURAN
C4H8O	THF

Formula	Chemical name
C4H8O2	1, 4-DIOXANE
C4H8O2	BUTANOIC ACID
C4H8O2	BUTYRIC ACID
C4H8O2	DIETHYLENE DIOXIDE
C4H8O2	ETHYL ACETATE
C4H8O2	ETHYL ETHANOATE
C4H8OCl2	2, 2'-DICHLORODIETHYL ETHER
C4H9Cl	1-CHLORO BUTANE
C4H9Cl	N-BUTYL CHLORIDE
C4H9Cl	TERT-BUTYL CHLORIDE
C4H9NH2	1-AMINOBUTANE
C4H10	ISOBUTANE
C4H10	METHYL-2-PROPANE
C4H10	N-BUTANE
C4H10	TRIMETHYL METHANE
C4H10O	2-BUTANOL
C4H10O	2-METHYL-1-PROPANOL
C4H10O	BUTYL ALCOHOL
C4H10O	BUTYL ALCOHOL SEC
C4H10O	BUTYL ALCOHOL TER
C4H10O	BUTYLENE HYDRATE
C4H10O	DIETHYL ETHER
C4H10O	DIETHYL OXIDE
C4H10O	ETHER
C4H10O	ETHYL ETHER
C4H10O	ETHYL OXIDE
C4H10O	ISOBUTANOL
C4H10O	ISOBUTYL ALCOHOL

Formula	Chemical name
C4H10O	ISOPROPYLCARBINOL
C4H10O	METHYL-2-PROPANOL-2
C4H10O	METHYLETHYL CARBINOL
C4H10O	N-BUTANOL
C4H10O	TERT-BUTYL ALCOHOL
C4H10O	TRIMETHYL CARBINOL
C4H10O	1-BUTANOL
C4H10O	SBA
C4H10O2	2-ETHOXYETHANOL
C4H10O2	CELLOSOLVE®
C4H10O2	ETHYLENE GLYCOL MONO ETHYL ETHER
C4H10S	1-MERCAPTOBUTANE
C4H10S	N-BUTANETHIOL
C4H10S	N-BUTYL MERCAPTAN
C4H10S	1-BUTANETHIOL
C4H11N	DIETHAMINE
C4H11N	DIETHYLAMINE
C4H11N	N,N-DIMETHYLETHYLAMINE
C4H11N	N-BUTYL AMINE
C4H11N	N-ETHYLETHANAMINE
C4H11N	SEC-BUTYL AMINE
C4H11N	2-AMINO BUTANE
C4H11NO2	DEA
C4H11NO2	DIETHANOLAMINE
C4H13N3	DIETHYLENE TRIAMINE
C5H5N	AZINE
C5H5N	PYRIDINE
C5H5NO2	METHYL CYANOACRYLATE

Formula	Chemical name
C5H6	1,3-CYCLOPENTADIENE
C5H6N2	2-AMINO PYRIDINE
C5H6O2	2-FURYLMETHANOL
C5H6O2	2-HYDROXYMETHYLFURAN
C5H6O2	FURFURYL ALCOHOL
C5H6O2	FURYL CARBINOL
C5H8	2-METHYL-1,3-BUTADIENE
C5H8	ISOPRENE
C5H8O2	ETHYL ACRYLATE
C5H8O2	GLUTARALDEHYDE
C5H8O2	METHYL METACRYLATE
C5H9NO	1-METHYL-2-PYRROLIDINONE
C5H10	CYCLOPENTANE
C5H10O	3-PENTANONE
C5H10O	DIETHYL KETONE
C5H10O	2-PENTANONE
C5H10O	DIMETHYLACETONE
C5H10O	ETHYL KETONE
C5H10O	METHYL PROPYL KETONE
C5H10O2	ISOPROPYL ACETATE
C5H10O2	2-PROPYL ACETATE
C5H10O2	PROPYL ACETATE
C5H10O2	PROPYLACETATE
C5H12	2-METHYLBUTANE
C5H12	ISOPENTANE
C5H12	N-PENTANE
C5H12O	3-METHYL-1-BUTANOL
C5H12O	AMYL ALCOHOL N

Formula	Chemical name
C5H12O	BUTYL CARBINOL
C5H12O	ISOAMYL ALCOHOL
C5H12O	ISOAMYL ALCOHOL (PRIMARY)
C5H12O	ISOBUTYL CARBINOL
C5H12O	METHYL-3-BUTANOL-1
C5H12O	PENTANOL 1
C6H4Cl2	1,2-DICHLOROBENZENE
C6H4Cl2	P-DICHLOROBENZENE
C6H5Cl	BENZENE CHLORIDE
C6H5Cl	CHLOROBENZENE
C6H5Cl	PHENYL CHLORIDE
C6H5NO2	ESSENCE OF MIRBANE
C6H5NO2	MIRBANE OIL
C6H5NO2	NITRO BENZENE
C6H6	BENZENE
C6H6O	HYDROXYBENZENE
C6H6O	PHENOL
C6H6O	PHENYL HYDROXIDE
C6H6O2	HYDROQUINONE
C6H7N	AMINO-BENZENE
C6H7N	ANILINE
C6H7N	BENZENAMINE
C6H7N	PHENYL AMINE
C6H7NO2	ETHYL CYANOACRYLATE
C6H10	CYCLOHEXENE
C6H10O	3-METHYL-3-PENTEN-2-ONE
C6H10O	CYCLOHEXANONE
C6H10O	CYCLOHEXYL KETONE

Formula	Chemical name
C6H10O	ISOBUTENYL METHYL KETONE
C6H10O	ISOPROPYLIDENEACETONE
C6H10O	MESITYL OXIDE
C6H10O	METHYL ISOBUTENYL KETONE
C6H10O2	ALLYLGLYCIDYLETHER
(C6H10O5)n	CELLULOSE
(C6H10O5)n	HYDROXYCELLULOSE
(C6H10O5)n	PYROCELLULOSE
C6H12	CYCLOHEXANE
C6H12O	2-HEXANONE
C6H12O	4-METHYL 2-PENTANONE
C6H12O	BUTYL VINYL ETHER
C6H12O	BVE
C6H12O	CYCLOHEXANOL
C6H12O	CYCLOHEXYL ALCOHOL
C6H12O	MIBK
C6H12O	HEXONE
C6H12O	HYDROXYCYCLOHEXANE
C6H12O	METHYL BUTYL KETONE
C6H12O	METHYL ISOBUTYL KETONE
C6H12O2	1,2-EPOXY-3-ISOPROPOXYPROPANE
C6H12O2	2-METHYLPROPYL ACETATE
C6H12O2	2-METHYLPROPYL ESTER OF ACETIC ACID
C6H12O2	BETA-METHYLPROPYL ETHANOATE
C6H12O2	DIACETONE
C6H12O2	DIACETONE ALCOHOL
C6H12O2	ISOBUTYL ACETATE
C6H12O2	ISOPROPYL GLYCIDYL ETHER

Formula	Chemical name
C6H12O2	N-BUTYL ACETATE
C6H12O2	TERT-BUTYL ACETATE
C6H12O3	2-ETHOXY ACETATE
C6H12O3	CELLOSOLVE "ACETATE"
C6H12O3	ETHYLENE GLYCOL MONO ETHYL ETHER ACETATE
C6H12O6	GLUCOSE
C6H13N	AMINOCYCLOHEXANE
C6H13N	CYCLOHEXYLAMINE
C6H14	HEXANE
C6H14	N-HEXANE
C6H14O	DIISOPROPYL ETHER
C6H14O	DIISOPROPYL OXIDE
C6H14O	ISOBUTYL METHYL CARBINOL
C6H14O	ISOPROPYL ETHER
C6H14O	METHYLAMYL ALCOHOL
C6H14O	MIBC
C6H14O2	2-BUTOXYETHANOL
C6H14O2	3-METHOXY-3-METHYL-1-BUTANOL
C6H14O2	BUTYL CELLOSOLVE®
C6H14O2	BUTYL GLYCOL
C6H15N	DIISOPROPYLAMINE
C6H15N	TRIETHYLAMINE
C6H15NO	DIETHYLAMINOETHANOL-2
C7H7Cl	A-CHLOROTOLUENE
C7H7Cl	BENZYL CHLORIDE
C7H7Cl	CHLOROTOLUENE (ORTHO)

Formula	Chemical name
C7H8	METHYL BENZENE
C7H8	PHENYLMETHANE
C7H8	TOLUENE
C7H8	TOLUOL
C7H8O	3-CRESOL
C7H8O	3-HYDROXYTOLUENE
C7H8O	3-METHYL PHENOL
C7H8O	4-CRESOL
C7H8O	4-HYDROXYTOLUENE
C7H80	BENZYL ALCOHOL
C7H8O	CRESOL ALL ISOMERS
C7H8O	M-CRESOL
C7H8O	METHYL PHENOL ALL ISOMERS
C7H8O	P-CRESOL
C7H9N	4-AMINOTOLUENE
C7H9N	4-METHYLANILINE
C7H9N	O-TOLUIDINE
C7H9N	P-TOLUIDINE
C7H12O	METHYL CYCLOHEXANONE
C7H12O2	BUTYL ACRYLATE
C7H14	METHYL CYCLOHEXANE
C7H14O	2,4-DIMETHYL-3-PENTANONE
C7H14O	2-HEPTANONE
C7H14O	DIISOPROPYL KETONE
C7H14O	DIPROPYL KETONE
C7H14O	HEPTAN-4-ONE
C7H14O	ISOBUTYRONE
C7H14O	METHYL CYCLOHEXANOL

Formula	Chemical name
C7H14O	METHYL-N-AMYL KETONE
C7H14O2	BUTYL GLYCIDYL ETHER
C7H14O2	ISOAMYL ACETATE
C7H14O2	ISOPENTYL ACETATE
C7H14O2	N-AMYL ACETATE
C7H14O2	N-AMYL ACETATE
C7H14O2	PENTYL ACETATE
C7H14O2	SEC-AMYL ACETATE
C7H14O3	BUTYL LACTATE
C7H16	2, 4-DIMETHYL PENTANE
C7H16	DIPROPYLMETHANE
C7H16	HEPTANE
C8H8	CINAMENE
C8H8	PHENYLETHYLENE
C8H8	STYRENE
C8H8	VINYLBENZENE
C8H10	DIMETHYL BENZENE (AND ISOMERS)
C8H10	ETHYL BENZENE
C8H10	O-XYLENE
C8H10	PHENYLETHANE
C8H10	XYLENE
C8H14ClN5	ATRAZINE
C8H16N2	1,1'-BIPHENYL-4,4'-DIAMINE
C8H16N2	4,4'-BIANILINE
C8H16N2	4,4'-BIPHENYLDIAMINE
C8H16N2	4,4'-DIAMINOBIPHENYL
C8H16N2	BENZINE 35 80
C8H16O	3-OCTANONE

Formula	Chemical name
C8H16O	EAK
C8H16O	ETHYLAMYL KETONE
C8H18	ISOOCTANE
C8H18	N-OCTANE
C8H10	XYLENE (ISOMERS)
C8H18	TRIMETHYL PENTANE-2,2,4
C8H18O	2-ETHYL-1-HEXANOL
C8H18O	BUTYL ETHER
C8H18O	DIBUTYL ETHER
C8H18O	ISOOCTANOL
C8H18O	ISOOCTYLALCOHOL
C8H18O3	DIETHYLENE GLYCOL MONOBUTYL ETHER
C9H4O3 .H2O	NINHYDRIN (POWDER)
C9H8O4	ACETYLSALICYCLIC ACID
C9H8O4	ASPIRIN
C9H10	VINYL TOLUENE
C9H10	METHYL STYRENE
C9H10Cl2N2O	DIURON
C9H10O2	PHENYL GLYCIDYL ETHER
C9H12	2-PHENYL PROPANE
C9H12	CUMENE
C9H12	CUMOL
C9H12	ISOPROPYL BENZENE
C9H12	ISOPROPYL BENZENE
C9H12	MESITYLENE
C9H12	PROPYLBENZENE
C9H12	TRIMETHYLBENZENE
C9H14O	ISOPHORONE

Formula	Chemical name
C9H18O	2,6-DIMETHYL-4-HEPTANONE
C9H18O	DIISOBUTYL KETONE
C9H20	NONANE ALL ISOMERS
C10H8	NAPHTHALENE
C10H8	NAPHTHALIN
C10H10	1,3-DIVINYLBENZENE
C10H12	BICYCLOPENTADIENE
C10H12	DICYCLOPENTADIENE
C10H14NO5PS	PARATHION
C10H16N2O8	EDTA
C10H16	LIMONENE
C10H16	TURPENTINE OIL
C10H22	DECANE
C11H16	4-TERT-BUTYL TOLUENE
C12H4Cl4O2	DIOXIN
C12H4Cl4O2	DIOXINE
C12H10O	DIPHENYL OXIDE
C12H10O	PHENYL ETHER
C12H14N2	PARAQUAT
C12H22O11	SACCAROSE
C18H14O2	BUTYL METACRYLATE
C20H14O4	PHENOLPHTALEINE
C21H14Br4O5S	VERT DE BROMOCRESOL
C21H20N3Br	BET
C21H20N3Br	ETHIDIUM BROMIDE
C21H22N2O2	STRYCHNINE
C27H39O5S	BLEU DE THYMOL
CO	CARBON MONOXIDE

Formula	Chemical name
CO2	CARBON DIOXIDE
CS2	CARBON DISULFIDE
CaCO3	CALCIUM CARBONATE
Ca(OH)2	CALCIUM HYDRATE
Ca(OH)2	CALCIUM HYDROXIDE
CaO	CALCIUM OXIDE
Ca(SO4). 2H20	CALCIUM SULFATE
Cd	CADMIUM DUST (AS CD)
Cd	CADMIUM FUME (AS CD)
ClO2	CHLORINE DIOXIDE
ClO2	CHLORINE OXIDE
Cl2	CHLORINE
CrO3	CHROMIC ACID
CrO3	CHROMIC OXIDE
CrO3	CHROMIUM(VI) OXIDE (1:3)
CuO	COPPER(II) OXIDE FUME
Cu	COPPER (DUSTS AND MISTS, AS CU)
Fe2O3	FERRIC OXIDE
Fe2O3	IRON OXIDE DUST AND FUME (AS FE)
Fe2O3	RED IRON OXIDE
HBr	ANHYDROUS HYDROGEN BROMIDE
HBr	AQUEOUS HYDROGEN BROMIDE (I.E.
HBr	HYDROBROMIC ACID
HBr	HYDROGEN BROMIDE
HCN	FORMONITRILE
HCN	HYDROCYANIC ACID
HCN	HYDROGEN CYANIDE
HCN	PRUSSIC ACID

Formula	Chemical name
HClO	HYPOCHLOROUS ACID
HClO4	PERCHLORIC ACID
HCL+HNO3	AQUA REGIA
HCl	HYDROGEN CHLORIDE
HCl aq. sol.	HYDROCHLORIC ACID
HCl aq. sol.	MURIATIC ACID
HCl aq. sol.	AQUEOUS HYDROGEN CHLORIDE (I.E.
HF	HYDROGEN FLUORIDE
HF aq. sol.	HYDROFLUORIC ACID
HNO3	AQUA FORTIS
HNO3	HYDROGEN NITRATE
HNO3	NITRIC ACID
HNaO3S	SODIUM BISULPHITE
H2O2	HYDROGEN DIOXIDE
H2O2	HYDROGEN PEROXIDE
H2S	HYDROGEN SULFIDE
H2SO4	HYDROGEN SULFATE
H2SO4	SULFURIC ACID
H3PO4	ORTHOPHOSPHORIC ACID
H3PO4	PHOSPHORIC ACID
Hg	MERCURY
Hg	METALLIC MERCURY
I2	IODINE
KOH	CAUSTIC POTASH
KOH	POTASSIUM HYDRATE
KOH	POTASSIUM HYDROXIDE

Formula	Chemical name
K(Mg, Fe)3AlSi3O10(F, OH)2	MICA (CONTAINING LESS THAN 1% QUARTZ)
K(Mg, Fe)3AlSi3O10(F, OH)2	MUSCOVITE
K(Mg, Fe)3AlSi3O10(F, OH)2	BIOTITE
LiH	LITHIUM HYDRIDE
MgCO3	MAGNESITE
MgO	MAGNESIA FUME
MgO	MAGNESIUM OXIDE FUME
Mn	MANGANESE COMPOUNDS (AS MN)
MnO2	MANGANESE OXIDE
NH3	AMMONIA
NH4Cl	AMMONIUM CHLORIDE
NH4Cl	AMMONIUM CHLORIDE FUME
NH4OH	AMMONIUM HYDROXYDE SOL
N2H4	HYDRAZINE
N2H4	DIAMINE
N2O	DINITROGEN MONOXIDE
NaCl	CHLORURE DE SODIUM
NaOH	CAUSTIC SODA
NaOH	SODIUM HYDRATE
NaOH	SODIUM HYDROXIDE
Na2B4O7 • 10H2O	BORAX
NO2	NITROGEN DIOXIDE
Ni	NICKEL METAL AND OTHER COMPOUNDS (AS NI)

Formula	Chemical name
O2Sn	TIN(IV) OXIDE (AS SN)
O3	OZONE
OsO4	OSMIUM TETROXIDE (AS OS)
Pt	PLATINUM
Si	SILICON
SiO2	QUARTZ
SiO2	SILICA GEL
SiO2	SILICA, AMORPHOUS
Sn	TIN (INORGANIC COMPOUNDS, AS SN)
TiO2	TITANIUM DIOXIDE
W	TUNGSTEN insoluble
ZnO	ZINC OXIDE
50 to 100% of Methanol	GIEMSA STAIN
80 to 100% of Methanol	MAY GRÜNWALD STAIN
85% Nonane/15% trimethylbenzene	NAPHTA 30/60
85% Nonane/15% trimethylbenzene	STODDARD SOLVENT
85% Nonane/15% trimethylbenzene	WHITE SPIRIT

List of chemicals substances by CAS number

CAS number	Chemical name
50-00-0	FORMALDEHYDE
50-00-0	FORMALDEHYDE SOLUTION
50-00-0	FORMALIN (AS FORMALDEHYDE)
50-00-0	FORMIC ALDEHYDE
50-00-0	METHANAL
50-00-0	METHYL ALDEHYDE
50-00-0	METHYLENE OXIDE
50-78-2	ACETYLSALICYCLIC ACID
50-78-2	ASPIRIN
55-63-0	NITROGLYCERINE
55-63-0	TRINITROGLYCERINE
56-23-5	CARBON TETRACHLORIDE
56-23-5	TETRACHLOROMETHANE
56-38-2	PARATHION
56-81-5	GLYCEROL , MIST
57-13-6	UREA
57-24-9	STRYCHNINE
57-50-1	SACCAROSE
60-00-4	EDTA
60-24-2	MERCAPTO-2 ETHANOL
60-29-7	DIETHYL ETHER
60-29-7	DIETHYL OXIDE
60-29-7	ETHER
60-29-7	ETHYL ETHER

CAS number	Chemical name
60-29-7	ETHYL OXIDE
62-53-3	AMINO-BENZENE
62-53-3	ANILINE
62-53-3	BENZENAMINE
62-53-3	PHENYL AMINE
64-17-5	ABSOLUTE ALCOHOL
64-17-5	ALCOHOL
64-17-5	ETHANOL
64-17-5	ETHYL ALCOHOL
64-18-6	FORMIC ACID
64-18-6	METHANOIC ACID
64-19-7	ACETIC ACID
64-19-7	ETHANOIC ACID
64-19-7	GLACIAL ACETIC ACID (PURE COMPOUND)
67-56-1	METHANOL
67-56-1	METHYL ALCOHOL
67-63-0	2-PROPANOL
67-63-0	DIMETHYL CARBINOL
67-63-0	IPA
67-63-0	ISOPROPANOL
67-63-0	ISOPROPYL ALCOHOL
67-64-1	2-PROPANONE
67-64-1	ACETONE
67-64-1	DIMETHYL KETONE

CAS number	Chemical name
67-66-3	CHLOROFORM
67-66-3	TRICHLOROMETHANE
67-68-5	DIMETHYL SULFOXIDE
67-68-5	DMSO
68-12-2	DIMETHYLFORMAMIDE
68-12-2	DMF
71-23-8	1-PROPANOL
71-23-8	PROPANOL-1
71-23-8	PROPYL ALCOHOL
71-36-3	1-BUTANOL
71-36-3	BUTYL ALCOHOL
71-36-3	N-BUTANOL
71-41-0	AMYL ALCOHOL N
71-41-0	BUTYL CARBINOL
71-41-0	ISOAMYL ALCOHOL
71-41-0	METHYL-3-BUTANOL-1
71-41-0	PENTANOL 1
71-43-2	BENZENE
71-55-6	1,1,1-TRICHLOROETHANE
71-55-6	CHLOROTHENE
71-55-6	METHYL CHLOROFORM
74-86-2	ACETYLENE
74-86-2	ETHENE
74-86-2	ETHYNE
74-87-3	CHLOROMETHANE
74-87-3	METHYL CHLORIDE
74-89-5	AMINOMETHANE
74-89-5	METHYLAMINE

CAS number	Chemical name
74-90-8	FORMONITRILE
74-90-8	HYDROCYANIC ACID
74-90-8	HYDROGEN CYANIDE
74-90-8	PRUSSIC ACID
74-96-4	BROMOETHANE
74-96-4	ETHYL BROMIDE
74-97-5	BROMOCHLOROMETHANE
74-97-5	CHLOROBROMOMETHANE
74-97-5	METHYLENE CHLOROBROMIDE
74-98-6	DIMETHYLMETHANE
74-98-6	PROPANE
74-99-7	ALLYLENE
74-99-7	METHYL ACETYLENE
74-99-7	PROPYNE
75-00-3	CHLOROETHANE
75-00-3	ETHYL CHLORIDE
75-01-4	CHLOROETHENE
75-01-4	CHLOROETHYLENE
75-01-4	VC
75-01-4	VINYL CHLORIDE
75-04-7	AMINOETHANE
75-04-7	ETHYLAMINE
75-05-8	ACETONITRILE
75-05-8	CYANOMETHANE
75-05-8	ETHYL NITRILE
75-05-8	METHYL CYANIDE
75-07-0	ACETALDEHYDE
75-07-0	ETHANAL

CAS number	Chemical name
75-07-0	ETHYL ALDEHYDE
75-09-2	DICHLOROMETHANE
75-09-2	METHYLENE CHLORIDE
75-09-2	METHYLENE DICHLORIDE
75-12-7	FORMAMIDE
75-15-0	CARBON DISULFIDE
75-25-2	BROMOFORM
75-25-2	TRIBROMOMETHANE
75-28-5	ISOBUTANE
75-28-5	METHYL-2-PROPANE
75-28-5	TRIMETHYL METHANE
75-31-0	2-AMINOPROPANE
75-31-0	2-PROPYLAMINE
75-31-0	ISOPROPYLAMINE
75-34-3	1,1-DICHLOROETHANE
75-34-3	ETHYLIDENE CHLORIDE
75-47-8	IODOFORM
75-50-3	TMA
75-50-3	TRIMETHYLAMINE
75-52-5	NITROMETHANE
75-56-9	PROPYLENE OXIDE
75-65-0	BUTYL ALCOHOL TER
75-65-0	METHYL-2-PROPANOL-2
75-65-0	TERT-BUTYL ALCOHOL
75-65-0	TRIMETHYL CARBINOL
76-01-7	PENTACHLOROETHANE
76-03-9	TRICHLOROACETIC ACID
76-03-9	TRICHLOROETHANOIC ACID

CAS number	Chemical name
76-05-1	TFA
76-05-1	TRIFLUOROACETIC ACID
76-60-8	VERT DE BROMOCRESOL
76-61-9	BLEU DE THYMOL
77-09-8	PHENOLPHTALEINE
77-73-6	BICYCLOPENTADIENE
77-73-6	DICYCLOPENTADIENE
78-59-1	ISOPHORONE
78-78-4	2-METHYLBUTANE
78-78-4	ISOPENTANE
78-79-5	2-METHYL-1,3-BUTADIENE
78-79-5	ISOPRENE
78-83-1	2-METHYL-1-PROPANOL
78-83-1	ISOBUTANOL
78-83-1	ISOBUTYL ALCOHOL
78-83-1	ISOPROPYLCARBINOL
78-87-5	DICHLOROPROPANE 1, 2
78-87-5	PROPYLENE CHLORIDE
78-87-5	PROPYLENE DICHLORIDE
78-92-2	2-BUTANOL
78-92-2	BUTYL ALCOHOL SEC
78-92-2	BUTYLENE HYDRATE
78-92-2	METHYLETHYL CARBINOL
78-92-2	SBA
78-93-3	2-BUTANONE
78-93-3	ETHYL METHYL KETONE
78-93-3	MEK
78-93-3	METHYL ACETONE

CAS number	Chemical name
78-93-3	METHYL ETHYL KETONE
79-00-5	TRICHLOROETHANE-1,1,2
79-00-5	VINYL TRICHLORIDE
79-01-6	ETHYLENE TRICHLORIDE
79-01-6	TRICHLOROETHENE
79-01-6	TRICHLOROETHYLENE
79-06-1	2-PROPENAMIDE
79-06-1	ACRYLAMIDE
79-10-7	2-PROPENOIC ACID
79-10-7	ACROLEIC ACID
79-10-7	ACRYLIC ACID
79-20-9	METHYL ACETATE
79-24-3	NITROETHANE
79-27-6	1,1,2,2-TETRABROMOETHANE
79-27-6	ACETYLENE TETRABROMIDE
79-34-5	1,1,2,2-TETRACHLOROETHANE
79-34-5	ACETYLENE TETRACHLORIDE
79-41-4	METHACRYLIC ACID
79-46-9	ISO-NITROPROPANE
79-46-9	NITROPROPANE 2
80-62-6	METHYL METACRYLATE
91-20-3	NAPHTHALENE
91-20-3	NAPHTHALIN
92-87-5	1,1'-BIPHENYL-4,4'-DIAMINE
92-87-5	4,4'-BIANILINE
92-87-5	4,4'-BIPHENYLDIAMINE
92-87-5	4,4'-DIAMINOBIPHENYL
92-87-5	BENZINE 35 80

CAS number	Chemical name
95-47-6	DIMETHYL BENZENE (AND ISOMERS)
95-47-6	O-XYLENE
95-50-1	1,2-DICHLOROBENZENE
96-22-0	3-PENTANONE
96-22-0	DIETHYL KETONE
96-22-0	DIMETHYLACETONE
96-22-0	ETHYL KETONE
96-33-3	METHOXYCARBONYLETHYLENE
96-33-3	METHYL PROPENOATE
96-33-3	METHYLACRYLATE
97-88-1	BUTYL METACRYLATE
98-00-0	2-FURYLMETHANOL
98-00-0	2-HYDROXYMETHYLFURAN
98-00-0	FURFURYL ALCOHOL
98-00-0	FURYL CARBINOL
98-51-1	4-TERT-BUTYL TOLUENE
98-82-8	2-PHENYL PROPANE
98-82-8	CUMENE
98-82-8	CUMOL
98-82-8	ISOPROPYL BENZENE
98-82-8	ISOPROPYL BENZENE
98-95-3	ESSENCE OF MIRBANE
98-95-3	MIRBANE OIL
98-95-3	NITRO BENZENE
100-37-8	DIETHYLAMINOETHANOL-2
100-41-4	ETHYL BENZENE
100-41-4	PHENYLETHANE
100-42-5	CINAMENE

CAS number	Chemical name
100-42-5	PHENYLETHYLENE
100-42-5	STYRENE
100-42-5	VINYLBENZENE
100-44-7	A-CHLOROTOLUENE
100-44-7	BENZYL CHLORIDE
100-51-6	BENZYL ALCOHOL
101-84-8	DIPHENYL OXIDE
101-84-8	PHENYL ETHER
104-76-7	2-ETHYL-1-HEXANOL
104-76-7	ISOOCTANOL
104-76-7	ISOOCTYLALCOHOL
106-43-4	CHLOROTOLUENE (ORTHO)
106-44-5	4-CRESOL
106-44-5	4-HYDROXYTOLUENE
106-44-5	P-CRESOL
106-46-7	P-DICHLOROBENZENE
106-49-0	4-AMINOTOLUENE
106-49-0	4-METHYLANILINE
106-49-0	P-TOLUIDINE
106-68-3	3-OCTANONE
106-68-3	EAK
106-68-3	ETHYLAMYL KETONE
106-89-8	1-CHLORO-2,3-EPOXYPROPANE
106-89-8	2-CHLOROPROPYLENE OXIDE
106-89-8	EPICHLORHYDRINE
106-92-3	ALLYLGLYCIDYLETHER
106-93-4	1,2-DIBROMOETHANE
106-93-4	ETHYLENE BROMIDE

CAS number	Chemical name
106-93-4	ETHYLENE DIBROMIDE
106-97-8	N-BUTANE
106-99-0	1,3-BUTADIENE
106-99-0	DIVINYL
106-99-0	ERYTHRENE
106-99-0	VINYL ETHYLENE
107-02-8	2-PROPENAL
107-02-8	ACROLEIN
107-02-8	ACRYLIC ALDEHYDE
107-02-8	ALLYL ALDEHYDE
107-03-9	1-PROPANETHIOL
107-03-9	PROPYL MERCAPTAN
107-05-1	3-CHLORO-1-PROPENE
107-05-1	ALLYL CHLORIDE
107-06-2	1,2-DICHLOROETHANE
107-06-2	ETHYLENE CHLORIDE
107-06-2	ETHYLENE DICHLORIDE
107-07-3	2-CHLOROETHANOL
107-07-3	2-CHLOROETHYL ALCOHOL
107-07-3	ETHYLEN CHLORHYDRIN
107-07-3	ETHYLENE CHLOROHYDRIN
107-10-8	1-AMINOPROPANE
107-10-8	PROPANAMINE
107-10-8	PROPYLAMINE
107-13-1	2-PROPENENITRILE
107-13-1	ACRYLONITRILE
107-13-1	PROPENENITRILE
107-13-1	VINYL CYANIDE

CAS number	Chemical name
107-15-3	ETHYLENE DIAMINE (SOLUTION)
107-15-3	ETHYLENEDIAMINE
107-18-6	2-PROPEN-1-OL
107-18-6	2-PROPENOL
107-18-6	ALLYL ALCOHOL
107-18-6	ALLYLIC ALCOHOL
107-18-6	VINYL CARBINOL
107-19-7	2-PROPYN-1-OL
107-19-7	2-PROPYNYL ALCOHOL
107-19-7	PROPARGYL ALCOHOL
107-20-0	2-CHLOROACETALDEHYDE
107-20-0	2-CHLOROETHANAL
107-21-1	1,2-ETHANEDIOL
107-21-1	ETHYLENE ALCOHOL
107-21-1	ETHYLENE GLYCOL
107-21-1	GLYCOL
107-31-3	METHYL FORMATE
107-87-9	2-PENTANONE
107-87-9	METHYL PROPYL KETONE
107-92-6	BUTANOIC ACID
107-92-6	BUTYRIC ACID
108-05-4	VINYL ACETATE
108-08-7	2, 4-DIMETHYL PENTANE
108-10-1	4-METHYL 2-PENTANONE
108-10-1	HEXONE
108-10-1	METHYL ISOBUTYL KETONE
108-10-1	MIBK
108-11-2	ISOBUTYL METHYL CARBINOL

CAS number	Chemical name
108-11-2	METHYLAMYL ALCOHOL
108-11-2	MIBC
108-18-9	DIISOPROPYLAMINE
108-20-3	DIISOPROPYL ETHER
108-20-3	DIISOPROPYL OXIDE
108-20-3	ISOPROPYL ETHER
108-21-4	2-PROPYL ACETATE
108-21-4	ISOPROPYL ACETATE
108-24-7	ACETIC ANHYDRE
108-24-7	ACETIC OXIDE
108-39-4	3-CRESOL
108-39-4	3-HYDROXYTOLUENE
108-39-4	3-METHYL PHENOL
108-39-4	M-CRESOL
108-67-8	MESITYLENE
108-67-8	PROPYLBENZENE
108-67-8	TRIMETHYLBENZENE
108-83-8	2,6-DIMETHYL-4-HEPTANONE
108-83-8	DIISOBUTYL KETONE
108-87-2	METHYL CYCLOHEXANE
108-88-3	METHYL BENZENE
108-88-3	PHENYLMETHANE
108-88-3	TOLUENE
108-88-3	TOLUOL
108-90-7	BENZENE CHLORIDE
108-90-7	CHLOROBENZENE
108-90-7	PHENYL CHLORIDE
108-91-8	AMINOCYCLOHEXANE

CAS number	Chemical name
108-91-8	CYCLOHEXYLAMINE
108-93-0	CYCLOHEXANOL
108-93-0	CYCLOHEXYL ALCOHOL
108-93-0	HYDROXYCYCLOHEXANE
108-94-1	CYCLOHEXANONE
108-94-1	CYCLOHEXYL KETONE
108-95-2	HYDROXYBENZENE
108-95-2	PHENOL
108-95-2	PHENYL HYDROXIDE
109-60-4	PROPYL ACETATE
109-60-4	PROPYLACETATE
109-66-0	N-PENTANE
109-69-3	1-CHLORO BUTANE
109-69-3	N-BUTYL CHLORIDE
109-73-9	1-AMINOBUTANE
109-73-9	N-BUTYL AMINE
109-79-5	1-BUTANETHIOL
109-79-5	1-BUTHANETHIOL
109-79-5	1-MERCAPTOBUTANE
109-79-5	N-BUTANETHIOL
109-79-5	N-BUTYL MERCAPTAN
109-86-4	METHYL CELLLOSOLVE
109-87-5	DIMETHOXYMETHANE
109-87-5	METHYLAL
109-89-7	DIETHAMINE
109-89-7	DIETHYLAMINE
109-89-7	N-ETHYLETHANAMINE
109-94-4	ETHYL FORMATE

CAS number	Chemical name
109-99-9	DIETHYLENE OXIDE
109-99-9	TETRAHYDROFURAN
109-99-9	THF
110-19-0	2-METHYLPROPYL ACETATE
110-19-0	2-METHYLPROPYL ESTER OF ACETIC ACID
110-19-0	BETA-METHYLPROPYL ETHANOATE
110-19-0	ISOBUTYL ACETATE
110-43-0	2-HEPTANONE
110-43-0	METHYL-N-AMYL KETONE
110-54-3	HEXANE
110-54-3	N-HEXANE
110-80-5	2-ETHOXYETHANOL
110-80-5	CELLOSOLVE®
110-80-5	ETHYLENE GLYCOL MONO ETHYL ETHER
110-82-7	CYCLOHEXANE
110-83-8	CYCLOHEXENE
110-86-1	AZINE
110-86-1	PYRIDINE
111-15-9	2-ETHOXY ACETATE
111-15-9	CELLOSOLVE "ACETATE"
111-15-9	ETHYLENE GLYCOL MONO ETHYL ETHER ACETATE
111-30-8	GLUTARALDEHYDE
111-34-2	BUTYL VINYL ETHER
111-34-2	BVE
111-40-0	DIETHYLENE TRIAMINE
111-42-2	DEA

CAS number	Chemical name
111-42-2	DIETHANOLAMINE
111-44-4	2, 2'-DICHLORODIETHYL ETHER
111-65-9	N-OCTANE
111-76-2	2-BUTOXYETHANOL
111-76-2	BUTYL CELLOSOLVE®
111-76-2	BUTYL GLYCOL
111-84-2	NONANE ALL ISOMERS
112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER
115-10-6	DIMETHYL ETHER
115-10-6	METHYL ETHER
119-93-7	O-TOLUIDINE
121-44-8	TRIETHYLAMINE
122-60-1	PHENYL GLYCIDYL ETHER
123-19-3	DIPROPYL KETONE
123-19-3	HEPTAN-4-ONE
123-31-9	HYDROQUINONE
123-38-6	PROPANAL
123-42-2	DIACETONE
123-42-2	DIACETONE ALCOHOL
123-51-3	3-METHYL-1-BUTANOL
123-51-3	ISOAMYL ALCOHOL (PRIMARY)
123-51-3	ISOBUTYL CARBINOL
123-86-4	N-BUTYL ACETATE
123-91-1	1, 4-DIOXANE
123-91-1	DIETHYLENE DIOXIDE
123-92-2	ISOAMYL ACETATE
123-92-2	ISOPENTYL ACETATE
123-92-2	N-AMYL ACETATE

CAS number	Chemical name
123-92-2	SEC-AMYL ACETATE
124-18-5	DECANE
124-38-9	CARBON DIOXIDE
124-40-3	DIMETHYL AMINE
124-40-3	DMA
126-99-8	BETA-CHLOROPRENE
126-99-8	CHLOROBUTADIENE
126-99-8	CHLOROPRENE
127-18-4	PERCHLOROETHYLENE
127-18-4	TETRACHLOROETHYLENE
137-05-3	METHYL CYANOACRYLATE
138-22-7	BUTYL LACTATE
140-88-5	ETHYL ACRYLATE
141-32-2	BUTYL ACRYLATE
141-43-5	2-AMINOETHANOL
141-43-5	BETA-AMINOETHYL ALCOHOL
141-43-5	ETHANOLAMINE
141-78-6	ETHYL ACETATE
141-78-6	ETHYL ETHANOATE
141-79-7	ISOBUTENYL METHYL KETONE
141-79-7	ISOPROPYLIDENEACETONE
141-79-7	MESITYL OXIDE
141-79-7	METHYL ISOBUTENYL KETONE
142-82-5	DIPROPYLMETHANE
142-82-5	HEPTANE
142-96-1	BUTYL ETHER
142-96-1	DIBUTYL ETHER
144-62-7	ETHANEDIOIC ACID

CAS number	Chemical name
144-62-7	OXALIC ACID
151-67-7	HALOTHANE
156-87-6	3-AMINO-1-PROPANOL
287-92-3	CYCLOPENTANE
302-01-2	DIAMINE
302-01-2	HYDRAZINE
330-54-1	DIURON
485-47-2	NINHYDRIN (POWDER)
504-29-0	2-AMINO PYRIDINE
507-20-0	TERT-BUTYL CHLORIDE
540-59-0	1,2-DICHLOROETHYLENE
540-59-0	ACETYLENE DICHLORIDE
540-84-1	ISOOCTANE
540-84-1	TRIMETHYL PENTANE-2,2,4
540-88-5	TERT-BUTYL ACETATE
541-85-5	5-METHYL-3-HEPTANONE
542-75-6	1,3-DICHLOROPROPENE
542-75-6	1,3-DICHLOROPROPYLENE
542-92-7	1,3-CYCLOPENTADIENE
546-93-0	MAGNESITE
556-52-5	EPOXY-2,3-PROPANOL-1
556-52-5	GLYCIDE
556-52-5	GLYCIDOL
558-13-4	CARBON BROMIDE
558-13-4	CARBON TETRABROMIDE
558-13-4	METHANE TETRABROMIDE
558-13-4	TETRABROMOMETHANE
565-62-8	3-METHYL-3-PENTEN-2-ONE

CAS number	Chemical name
565-80-0	2,4-DIMETHYL-3-PENTANONE
565-80-0	DIISOPROPYL KETONE
565-80-0	ISOBUTYRONE
591-78-6	2-HEXANONE
591-78-6	METHYL BUTYL KETONE
593-60-2	BROMOETHENE
593-60-2	BROMOETHYLENE
593-60-2	VINYL BROMIDE
598-56-1	N,N-DIMETHYLETHYLAMINE
600-25-9	CHLORO-1-NITROPROPANE 1
600-25-9	KORAX
628-63-7	N-AMYL ACETATE
628-63-7	PENTYL ACETATE
630-08-0	CARBON MONOXIDE
646-06-0	1,3-DIOXOLANE
872-50-4	1-METHYL-2-PYRROLIDINONE
1239-45-8	BET
1239-45-8	ETHIDIUM BROMIDE
1303-86-2	BORON OXIDE
1303-96-4	BORAX
1305-62-0	CALCIUM HYDRATE
1305-62-0	CALCIUM HYDROXIDE
1305-78-8	CALCIUM OXIDE
1309-37-1	FERRIC OXIDE
1309-37-1	IRON OXIDE DUST AND FUME (AS FE)
1309-37-1	RED IRON OXIDE
1309-48-4	MAGNESIA FUME
1309-48-4	MAGNESIUM OXIDE FUME

CAS number	Chemical name
1310-58-3	CAUSTIC POTASH
1310-58-3	POTASSIUM HYDRATE
1310-58-3	POTASSIUM HYDROXIDE
1310-73-2	CAUSTIC SODA
1310-73-2	SODIUM HYDRATE
1310-73-2	SODIUM HYDROXIDE
1314-13-2	ZINC OXIDE
1317-35-7	MANGANESE OXIDE
1317-38-0	COPPER(II) OXIDE FUME
1317-65-3	CALCIUM CARBONATE
1319-77-3	CRESOL ALL ISOMERS
1319-77-3	METHYL PHENOL ALL ISOMERS
1321-74-0	1,3-DIVINYLBENZENE
1330-20-7	XYLENE
1330-20-7	XYLENE (ISOMERS)
1331-22-2	METHYL CYCLOHEXANONE
1332-21-4	ASBESTOS
1332-58-7	CLAY
1333-82-0	CHROMIC ACID
1333-82-0	CHROMIC OXIDE
1333-82-0	CHROMIUM(VI) OXIDE (1:3)
1333-86-4	CARBON BLACK
1344-28-1	ALUMINA
1344-28-1	ALUMINUM OXIDE
1344-28-1	ALUMINUM TRIOXIDE
1746-01-6	DIOXIN
1746-01-6	DIOXINE
1912-24-9	ATRAZINE

CAS number	Chemical name
2426-08-6	BUTYL GLYCIDYL ETHER
4016-14-2	1,2-EPOXY-3-ISOPROPOXYPROPANE
4016-14-2	ISOPROPYL GLYCIDYL ETHER
4170-30-3	2-BUTENAL
4170-30-3	BETA-METHYL ACROLEIN
4170-30-3	CROTONALDEHYDE
4170-30-3	PROPYLENE ALDEHYDE
4685-14-7	PARAQUAT
5989-54-8	LIMONENE
5996-10-1	GLUCOSE
7085-85-0	ETHYL CYANOACRYLATE
7429-90-5	ALUMINIUM
7439-96-5	MANGANESE COMPOUNDS (AS MN)
7439-97-6	MERCURY
7439-97-6	METALLIC MERCURY
7440-02-0	NICKEL METAL AND OTHER COMPOUNDS (AS NI)
7440-06-4	PLATINUM
7440-21-3	SILICON
7440-22-4	SILVER (DUST)
7440-31-5	TIN (INORGANIC COMPOUNDS, AS SN)
7440-33-7	TUNGSTEN insoluble
7440-38-2	ARSENIC (INORGANIC COMPOUNDS, AS AS)
7440-41-7	BERYLLIUM COMPOUNDS (AS BE)
7440-43-9	CADMIUM DUST (AS CD)
7440-43-9	CADMIUM FUME (AS CD)
7440-44-0	GRAPHITE (SYNTHETIC)

CAS number	Chemical name
7440-50-8	COPPER (DUSTS AND MISTS, AS CU)
7553-56-2	IODINE
7580-67-8	LITHIUM HYDRIDE
7601-90-3	PERCHLORIC ACID
7631-86-9	SILICA GEL
7631-86-9	SILICA, AMORPHOUS
7631-90-5	SODIUM BISULPHITE
7637-07-2	BORON TRIFLUORIDE
7647-01-0	AQUEOUS HYDROGEN CHLORIDE (I.E.
7647-01-0	HYDROCHLORIC ACID
7647-01-0	HYDROGEN CHLORIDE
7647-01-0	MURIATIC ACID
7647-14-5	CHLORURE DE SODIUM
7664-38-2	ORTHOPHOSPHORIC ACID
7664-38-2	PHOSPHORIC ACID
7664-39-3	HYDROFLUORIC ACID
7664-39-3	HYDROGEN FLUORIDE
7664-41-7	AMMONIA
7664-41-7	AMMONIUM HYDROXYDE SOL
7664-93-9	HYDROGEN SULFATE
7664-93-9	SULFURIC ACID
7697-37-2	AQUA FORTIS
7697-37-2	HYDROGEN NITRATE
7697-37-2	NITRIC ACID
7722-84-1	HYDROGEN DIOXIDE
7722-84-1	HYDROGEN PEROXIDE
7726-95-6	BROMINE
7778-18-9	CALCIUM SULFATE

CAS number	Chemical name
7782-50-5	CHLORINE
7783-06-4	HYDROGEN SULFIDE
7790-92-3	HYPOCHLOROUS ACID
8006-61-9	GASOLINE 60
8006-64-2	TURPENTINE OIL
8032-32-4	PETROLEUM ETHER 30/60
8052-41-3	NAPHTA 30/60
8052-41-3	STODDARD SOLVENT
8052-41-3	WHITE SPIRIT
9004-34-6	CELLULOSE
9004-34-6	HYDROXYCELLULOSE
9004-34-6	PYROCELLULOSE
10024-97-2	DINITROGEN MONOXIDE
10028-15-6	OZONE
10035-10-6	ANHYDROUS HYDROGEN BROMIDE
10035-10-6	AQUEOUS HYDROGEN BROMIDE (I.E.
10035-10-6	HYDROBROMIC ACID
10035-10-6	HYDROGEN BROMIDE
10049-04-4	CHLORINE DIOXIDE
10049-04-4	CHLORINE OXIDE
10102-44-0	NITROGEN DIOXIDE
10326-38-9	BARIUM CHLORIDE
12001-26-2	BIOTITE
12001-26-2	MICA (CONTAINING LESS THAN 1% QUARTZ)
12001-26-2	MUSCOVITE
12125-02-9	AMMONIUM CHLORIDE
12125-02-9	AMMONIUM CHLORIDE FUME
13463-67-7	TITANIUM DIOXIDE

CAS number	Chemical name
13952-84-6	2-AMINO BUTANE
13952-84-6	SEC-BUTYL AMINE
14808-60-7	QUARTZ
18282-10-5	TIN(IV) OXIDE (AS SN)
20816-12-0	OSMIUM TETROXIDE (AS OS)
25013-15-4	METHYL STYRENE
25013-15-4	VINYL TOLUENE
25639-42-3	METHYL CYCLOHEXANOL
26675-46-7	ISOFLURANE
35320-23-1	2-AMINO 1-PROPANOL
56539-66-3	3-METHOXY-3-METHYL-1-BUTANOL
-	AQUA REGIA
-	FORENE
-	GIEMSA STAIN
-	MAY GRÜNWALD STAIN

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