

Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

1 Identification

- **Product identifier**
- **Trade name:** QCO-120, PEO-120
- **Other means of identification**
- **Application of the substance / the mixture** For Laboratory Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
NSI Lab Solutions
7212 ACC Blvd.,
Raleigh, NC 27617
USA
- **Information department:** Product safety department
- **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable liquids 2

H225 Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute toxicity - inhalation 3

H331 Toxic if inhaled.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.

Reproductive toxicity 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure) 1

H370 Causes damage to the central nervous system and the visual organs.



GHS07

Sensitization - skin 1

H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**· **Signal word** *Danger*· **Hazard-determining components of labeling:***methanol**4-methylpentan-2-one**hexan-2-one**(E)-1,3-dichloroprop-1-ene*· **Hazard statements***Highly flammable liquid and vapor.**Toxic if inhaled.**May cause an allergic skin reaction.**Suspected of causing cancer.**Suspected of damaging fertility or the unborn child.**Causes damage to the central nervous system and the visual organs.*· **Precautionary statements***Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**Ground / bond container and receiving equipment.**Use explosion-proof [electrical/ventilating/lighting] equipment.**Use non-sparking tools.**Take action to prevent static discharge.**Do not breathe dust/fume/gas/mist/vapors/spray.**Wash thoroughly after handling.**Do not eat, drink or smoke when using this product.**Use only outdoors or in a well-ventilated area.**Contaminated work clothing must not be allowed out of the workplace.**Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**If inhaled: Remove person to fresh air and keep comfortable for breathing.**If exposed or concerned: Get medical advice/attention.**Take off contaminated clothing and wash it before reuse.**If skin irritation or rash occurs: Get medical advice/attention.**Specific treatment (see on this label).**In case of fire: Use CO₂, powder or water spray to extinguish.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Information pertaining to particular dangers for man and environment:**· **Classification system:**· **NFPA ratings (scale 0 - 4)**

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = *1
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* **3 Composition/information on ingredients**· **Chemical characterization: Mixtures**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

67-56-1	methanol	≥80–≤100%
10061-02-6	(E)-1,3-dichloroprop-1-ene	≥0.1–<1%
108-10-1	4-methylpentan-2-one	0.1%
591-78-6	hexan-2-one	0.1%

· **Non-hazardous components**

7732-18-5	water, distilled, conductivity or of similar purity	≥7–≤10%
67-64-1	acetone	≥0–≤0.1%
56-23-5	carbon tetrachloride	≥0–<0.1%
91-20-3	naphthalene	≥0–<0.1%
96-12-8	1,2-dibromo-3-chloropropane	≥0–<0.1%
96-18-4	1,2,3-trichloropropane	≥0–<0.1%
107-06-2	1,2-dichloroethane	≥0–<0.1%
120-82-1	1,2,4-trichlorobenzene	≥0–≤0.1%
1634-04-4	tert-butyl methyl ether	≥0–≤0.1%
75-34-3	1,1-dichloroethane	≥0–≤0.1%
75-35-4	1,1-dichloroethylene	≥0–<0.1%
78-87-5	1,2-dichloropropane	≥0–<0.1%
79-34-5	1,1,2,2-tetrachloroethane	≥0–<0.1%
106-42-3	p-xylene	≥0–≤0.1%
108-38-3	m-xylene	≥0–≤0.1%
127-18-4	tetrachloroethylene	≥0–<0.1%
156-59-2	cis-dichloroethylene	≥0–≤0.1%
630-20-6	1,1,1,2-Tetrachloroethane	≥0–<0.1%
95-47-6	o-xylene	≥0–≤0.1%
79-00-5	1,1,2-trichloroethane	≥0–<0.1%

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75-00-3	chloroethane	$\geq 0 - < 0.1\%$
75-69-4	trichlorofluoromethane	$\geq 0 - < 0.1\%$
100-42-5	styrene	$\geq 0 - < 0.1\%$
74-95-3	dibromomethane	$\geq 0 - \leq 0.1\%$
75-09-2	dichloromethane	$\geq 0 - < 0.1\%$
95-50-1	1,2-dichlorobenzene	$\geq 0 - \leq 0.1\%$
95-63-6	1,2,4-trimethylbenzene	$\geq 0 - \leq 0.1\%$
100-41-4	ethylbenzene	$\geq 0 - < 0.1\%$
106-46-7	1,4-dichlorobenzene	$\geq 0 - < 0.1\%$
106-93-4	1,2-dibromoethane	$\geq 0 - < 0.1\%$
108-67-8	mesitylene	$\geq 0 - \leq 0.1\%$
108-88-3	toluene	$\geq 0 - < 0.1\%$
108-90-7	chlorobenzene	$\geq 0 - \leq 0.1\%$
156-60-5	trans-dichloroethylene	$\geq 0 - \leq 0.1\%$
541-73-1	1,3-dichlorobenzene	$\geq 0 - \leq 0.1\%$
74-83-9	bromomethane	$\geq 0 - \leq 0.1\%$
74-87-3	chloromethane	$\geq 0 - < 0.1\%$
71-43-2	benzene	$\geq 0 - < 0.1\%$
67-66-3	trichloromethane	$\geq 0 - < 0.1\%$
75-25-2	bromoform	$\geq 0 - \leq 0.1\%$
75-27-4	bromodichloromethane	$\geq 0 - < 0.1\%$
79-01-6	trichloroethylene	$\geq 0 - < 0.1\%$
124-48-1	dibromochloromethane	$\geq 0 - \leq 0.1\%$
71-55-6	1,1,1-trichloroethane	$\geq 0 - < 0.1\%$
75-05-8	acetonitrile	$\geq 0 - \leq 0.1\%$
75-71-8	dichlorodifluoromethane	$\geq 0 - \leq 0.1\%$
107-02-8	acrolein	$\geq 0 - < 0.1\%$
107-13-1	acrylonitrile	$\geq 0 - < 0.1\%$
123-91-1	1,4-dioxane	$\geq 0 - < 0.1\%$
78-93-3	butanone	$\geq 0 - \leq 0.1\%$
79-20-9	methyl acetate	$\geq 0 - \leq 0.1\%$
108-05-4	vinyl acetate	$\geq 0 - < 0.1\%$
108-87-2	methylcyclohexane	$\geq 0 - \leq 0.1\%$
110-54-3	n-hexane	$\geq 0 - < 0.1\%$
75-15-0	carbon disulphide	$\geq 0 - \leq 0.1\%$
87-61-6	1,2,3-trichlorobenzene	$\geq 0 - \leq 0.1\%$
110-75-8	2-chloroethyl vinyl ether	$\geq 0 - \leq 0.1\%$

4 First-aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed.

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In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

67-56-1	methanol	530 ppm
67-64-1	acetone	200 ppm
108-10-1	4-methylpentan-2-one	75 ppm
591-78-6	hexan-2-one	10 ppm
56-23-5	carbon tetrachloride	1.2 ppm
91-20-3	naphthalene	15 ppm
96-12-8	1,2-dibromo-3-chloropropane	0.030 mg/m ³
96-18-4	1,2,3-trichloropropane	0.015 ppm
107-06-2	1,2-dichloroethane	50 ppm
120-82-1	1,2,4-trichlorobenzene	3.4 mg/m ³
1634-04-4	tert-butyl methyl ether	50 ppm
75-34-3	1,1-dichloroethane	300 ppm
75-35-4	1,1-dichloroethylene	45 ppm
78-87-5	1,2-dichloropropane	30 ppm
79-34-5	1,1,2,2-tetrachloroethane	3 ppm

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108-38-3	<i>m</i> -xylene	130 ppm
127-18-4	tetrachloroethylene	35 ppm
156-59-2	<i>cis</i> -dichloroethylene	140 ppm
630-20-6	1,1,1,2-Tetrachloroethane	0.2 ppm
79-00-5	1,1,2-trichloroethane	30 ppm
75-00-3	chloroethane	300 ppm
75-69-4	trichlorofluoromethane	91 ppm
100-42-5	styrene	20 ppm
74-95-3	dibromomethane	3 ppm
75-09-2	dichloromethane	200 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
95-63-6	1,2,4-trimethylbenzene	140 ppm
100-41-4	ethylbenzene	33 ppm
106-46-7	1,4-dichlorobenzene	30 ppm
106-93-4	1,2-dibromoethane	17 ppm

· PAC-2:

67-56-1	methanol	2100 ppm
67-64-1	acetone	3200* ppm
108-10-1	4-methylpentan-2-one	500 ppm
591-78-6	hexan-2-one	830 ppm
56-23-5	carbon tetrachloride	13 ppm
91-20-3	naphthalene	83 ppm
96-12-8	1,2-dibromo-3-chloropropane	0.72 mg/m ³
96-18-4	1,2,3-trichloropropane	170 ppm
107-06-2	1,2-dichloroethane	200 ppm
120-82-1	1,2,4-trichlorobenzene	37 mg/m ³
1634-04-4	<i>tert</i> -butyl methyl ether	570 ppm
75-34-3	1,1-dichloroethane	670 ppm
75-35-4	1,1-dichloroethylene	500 ppm
78-87-5	1,2-dichloropropane	220 ppm
79-34-5	1,1,2,2-tetrachloroethane	120 ppm
108-38-3	<i>m</i> -xylene	920 ppm
127-18-4	tetrachloroethylene	230 ppm
156-59-2	<i>cis</i> -dichloroethylene	500 ppm
630-20-6	1,1,1,2-Tetrachloroethane	16 ppm
79-00-5	1,1,2-trichloroethane	180 ppm
75-00-3	chloroethane	5100* ppm
75-69-4	trichlorofluoromethane	1,000 ppm
100-42-5	styrene	130 ppm
74-95-3	dibromomethane	230 mg/m ³
75-09-2	dichloromethane	560 ppm
95-50-1	1,2-dichlorobenzene	170 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm

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100-41-4	ethylbenzene	1100 ppm
106-46-7	1,4-dichlorobenzene	170 ppm
106-93-4	1,2-dibromoethane	24 ppm
· PAC-3:		
67-56-1	methanol	7200 ppm
67-64-1	acetone	5700* ppm
108-10-1	4-methylpentan-2-one	3000* ppm
591-78-6	hexan-2-one	5000* ppm
56-23-5	carbon tetrachloride	340 ppm
91-20-3	naphthalene	500 ppm
96-12-8	1,2-dibromo-3-chloropropane	4.3 mg/m ³
96-18-4	1,2,3-trichloropropane	1,000 ppm
107-06-2	1,2-dichloroethane	300 ppm
120-82-1	1,2,4-trichlorobenzene	150 mg/m ³
1634-04-4	tert-butyl methyl ether	5300 ppm
75-34-3	1,1-dichloroethane	4,000 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
78-87-5	1,2-dichloropropane	2,000 ppm
79-34-5	1,1,2,2-tetrachloroethane	150 ppm
108-38-3	m-xylene	2500* ppm
127-18-4	tetrachloroethylene	1200 ppm
156-59-2	cis-dichloroethylene	850 ppm
630-20-6	1,1,1,2-Tetrachloroethane	93 ppm
79-00-5	1,1,2-trichloroethane	500 ppm
75-00-3	chloroethane	20000** ppm
75-69-4	trichlorofluoromethane	10,000 ppm
100-42-5	styrene	1100 ppm
74-95-3	dibromomethane	1400 mg/m ³
75-09-2	dichloromethane	6900 ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
95-63-6	1,2,4-trimethylbenzene	470 ppm
100-41-4	ethylbenzene	1800 ppm
106-46-7	1,4-dichlorobenzene	1,000 ppm
106-93-4	1,2-dibromoethane	46 ppm

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

67-56-1 methanol

PEL	Long-term value: 260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m ³ , 250 ppm
	Long-term value: 260 mg/m ³ , 200 ppm
	Skin
TLV	Short-term value: 328 mg/m ³ , 250 ppm
	Long-term value: 262 mg/m ³ , 200 ppm
	Skin; BEI

108-10-1 4-methylpentan-2-one

PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm
	Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm
	Long-term value: 82 mg/m ³ , 20 ppm
	BEI, A3

591-78-6 hexan-2-one

PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Long-term value: 4 mg/m ³ , 1 ppm
TLV	Short-term value: 40 mg/m ³ , 10 ppm
	Long-term value: 20 mg/m ³ , 5 ppm
	Skin

- **Ingredients with biological limit values:**

67-56-1 methanol

BEI	15 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Methanol (background, nonspecific)

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108-10-1 4-methylpentan-2-one

BEI 1 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Methyl isobutyl ketone

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
- **Breathing equipment:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Liquid
- **Color:** According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 64.7 °C (148.5 °F)
- **Flammability:** Highly flammable.

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· Explosion limits:	
· Lower:	5.5 Vol %
· Upper:	44 Vol %
· Flash point:	11 °C (51.8 °F)
· Auto igniting:	455 °C (851 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic:	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
· Vapor pressure:	
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Particle characteristics	Not applicable.
· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Solvent content:	
· Organic solvents:	84.7–88.9 %
· Water:	9.4–9.7 %
· VOC content:	84.72–88.55 %
	885.5–888.7 g/l / 7.39–7.42 lb/gal
· Solids content:	0–0.1 %
· Change in condition	
· Evaporation rate	Not determined.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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*11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Inhalative	LC50/4 h	3.44–3.55 mg/l
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67-56-1 methanol

Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE) 8.3–16.6 mg/l (rat)

591-78-6 hexan-2-one

Oral	LD50	2,590 mg/kg (rat)
Dermal	LD50	4,800 mg/kg (rabbit)

· Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

· Sensitization: Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Irritant

· Interactive effects No interactive effects between components are known.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

108-10-1	4-methylpentan-2-one	2B
56-23-5	carbon tetrachloride	2B
91-20-3	naphthalene	2B
96-12-8	1,2-dibromo-3-chloropropane	2B
96-18-4	1,2,3-trichloropropane	2A
107-06-2	1,2-dichloroethane	2B
1634-04-4	tert-butyl methyl ether	3
75-35-4	1,1-dichloroethylene	2B
78-87-5	1,2-dichloropropane	1
79-34-5	1,1,2,2-tetrachloroethane	2B
106-42-3	p-xylene	3
108-38-3	m-xylene	3
127-18-4	tetrachloroethylene	2A
630-20-6	1,1,1,2-Tetrachloroethane	2B
95-47-6	o-xylene	3

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79-00-5	1,1,2-trichloroethane	3
75-00-3	chloroethane	3
100-42-5	styrene	2A
75-09-2	dichloromethane	2A
95-50-1	1,2-dichlorobenzene	3
100-41-4	ethylbenzene	2B
106-46-7	1,4-dichlorobenzene	2B
106-93-4	1,2-dibromoethane	2A
108-88-3	toluene	3
541-73-1	1,3-dichlorobenzene	3
74-83-9	bromomethane	3
74-87-3	chloromethane	3
71-43-2	benzene	1
67-66-3	trichloromethane	2B
75-25-2	bromoform	3

· **NTP (National Toxicology Program)**

56-23-5	carbon tetrachloride	R
91-20-3	naphthalene	R
96-12-8	1,2-dibromo-3-chloropropane	R
96-18-4	1,2,3-trichloropropane	R
107-06-2	1,2-dichloroethane	R
127-18-4	tetrachloroethylene	R
100-42-5	styrene	R
75-09-2	dichloromethane	R
106-46-7	1,4-dichlorobenzene	R
106-93-4	1,2-dibromoethane	R
71-43-2	benzene	K
67-66-3	trichloromethane	R
75-27-4	bromodichloromethane	R
79-01-6	trichloroethylene	K
107-13-1	acrylonitrile	R
123-91-1	1,4-dioxane	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

96-12-8	1,2-dibromo-3-chloropropane	
75-09-2	dichloromethane	
71-43-2	benzene	
107-13-1	acrylonitrile	

· **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
 Water hazard class 2 (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|---|---|
| · UN-Number | UN1992 |
| · DOT, IMDG, IATA | |
| · UN proper shipping name | Flammable liquids, toxic, n.o.s. (Methanol) |
| · DOT | FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL) |
| · IMDG | Flammable liquid, toxic, n.o.s. (METHANOL) |
| · IATA | |
| · Transport hazard class(es) | |
| · DOT | |
|  | |
| · Class | 3 Flammable liquids |
| · Label | 3, 6.1 |
| · IMDG | |
|  | |
| · Class | 3 Flammable liquids |

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· Label	3/6.1
· IATA	
 	
· Class	3 Flammable liquids
· Label	3 (6.1)
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 60 L
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	336
· EMS Number:	F-E,S-D
· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· UN "Model Regulation":	UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3 (6.1), II

*15 Regulatory information

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

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· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

This product contains Trichloroethylene (CAS No. 79-01-6), which is subject to risk management restrictions under the U.S. Toxic Substances Control Act (TSCA) Section 6(a), per EPA's final rule published on March 19, 2024 (89 FR 19446; 40 CFR Part 751, Subpart C).

Effective June 16, 2025, domestic manufacture, import, processing, and distribution in commerce of trichloroethylene are prohibited, except for specific conditions of use and time-limited exemptions. This product is intended solely for use as a laboratory reference standard. Laboratory uses essential for research and development and quality control are permitted under the TSCA exemption for laboratory use (40 CFR 751.407(e)(6)), and may continue until December 18, 2074. Users must ensure that this product is used exclusively in laboratory settings, in accordance with applicable federal, state, and local regulations.

· **Sara**

· **Section 355 (extremely hazardous substances):**

75-34-3	1,1-dichloroethane
74-83-9	bromomethane
67-66-3	trichloromethane
107-02-8	acrolein
107-13-1	acrylonitrile
108-05-4	vinyl acetate
75-15-0	carbon disulphide

· **Section 313 (Specific toxic chemical listings):**

67-56-1	methanol
10061-02-6	(E)-1,3-dichloroprop-1-ene
108-10-1	4-methylpentan-2-one
56-23-5	carbon tetrachloride
91-20-3	naphthalene
96-12-8	1,2-dibromo-3-chloropropane
96-18-4	1,2,3-trichloropropane
107-06-2	1,2-dichloroethane
120-82-1	1,2,4-trichlorobenzene
1634-04-4	tert-butyl methyl ether
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-34-5	1,1,2,2-tetrachloroethane
106-42-3	p-xylene
108-38-3	m-xylene
127-18-4	tetrachloroethylene
630-20-6	1,1,1,2-Tetrachloroethane
95-47-6	o-xylene
79-00-5	1,1,2-trichloroethane
75-00-3	chloroethane
75-69-4	trichlorofluoromethane
100-42-5	styrene
74-95-3	dibromomethane

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75-09-2	dichloromethane
95-50-1	1,2-dichlorobenzene
95-63-6	1,2,4-trimethylbenzene
100-41-4	ethylbenzene
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

67-56-1	methanol
108-10-1	4-methylpentan-2-one
56-23-5	carbon tetrachloride
91-20-3	naphthalene
96-12-8	1,2-dibromo-3-chloropropane
107-06-2	1,2-dichloroethane
120-82-1	1,2,4-trichlorobenzene
1634-04-4	tert-butyl methyl ether
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-34-5	1,1,2,2-tetrachloroethane
106-42-3	p-xylene
108-38-3	m-xylene
127-18-4	tetrachloroethylene
95-47-6	o-xylene
79-00-5	1,1,2-trichloroethane
75-00-3	chloroethane
100-42-5	styrene
75-09-2	dichloromethane
100-41-4	ethylbenzene
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane
108-88-3	toluene
108-90-7	chlorobenzene
74-83-9	bromomethane
74-87-3	chloromethane
71-43-2	benzene
67-66-3	trichloromethane
75-25-2	bromoform

· **Proposition 65**· **Chemicals known to cause cancer:**

108-10-1	4-methylpentan-2-one
56-23-5	carbon tetrachloride

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91-20-3	naphthalene
96-12-8	1,2-dibromo-3-chloropropane
96-18-4	1,2,3-trichloropropane
107-06-2	1,2-dichloroethane
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-34-5	1,1,2,2-tetrachloroethane
127-18-4	tetrachloroethylene
630-20-6	1,1,1,2-Tetrachloroethane
79-00-5	1,1,2-trichloroethane
75-00-3	chloroethane
100-42-5	styrene
75-09-2	dichloromethane
100-41-4	ethylbenzene
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane
71-43-2	benzene
67-66-3	trichloromethane
75-25-2	bromoform
75-27-4	bromodichloromethane
79-01-6	trichloroethylene
71-55-6	1,1,1-trichloroethane
107-13-1	acrylonitrile
123-91-1	1,4-dioxane
108-05-4	vinyl acetate

· Chemicals known to cause reproductive toxicity for females:

75-15-0	carbon disulphide
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· Chemicals known to cause reproductive toxicity for males:

591-78-6	hexan-2-one
96-12-8	1,2-dibromo-3-chloropropane
106-93-4	1,2-dibromoethane
74-87-3	chloromethane
71-43-2	benzene
79-01-6	trichloroethylene
110-54-3	n-hexane
75-15-0	carbon disulphide

· Chemicals known to cause developmental toxicity:

67-56-1	methanol
108-10-1	4-methylpentan-2-one
591-78-6	hexan-2-one
106-93-4	1,2-dibromoethane
108-88-3	toluene

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74-83-9	bromomethane
74-87-3	chloromethane
71-43-2	benzene
67-66-3	trichloromethane
79-01-6	trichloroethylene
75-15-0	carbon disulphide

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
108-10-1	4-methylpentan-2-one	I
591-78-6	hexan-2-one	II
56-23-5	carbon tetrachloride	L
91-20-3	naphthalene	C, CBD
96-18-4	1,2,3-trichloropropane	L
107-06-2	1,2-dichloroethane	B2
120-82-1	1,2,4-trichlorobenzene	D
75-34-3	1,1-dichloroethane	C
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
79-34-5	1,1,2,2-tetrachloroethane	L
106-42-3	p-xylene	I
108-38-3	m-xylene	I
127-18-4	tetrachloroethylene	L
156-59-2	cis-dichloroethylene	II
630-20-6	1,1,1,2-Tetrachloroethane	C
95-47-6	o-xylene	I
79-00-5	1,1,2-trichloroethane	C
75-09-2	dichloromethane	L
95-50-1	1,2-dichlorobenzene	D
95-63-6	1,2,4-trimethylbenzene	II
100-41-4	ethylbenzene	D
106-93-4	1,2-dibromoethane	L
108-67-8	mesitylene	II
108-88-3	toluene	II
108-90-7	chlorobenzene	D
156-60-5	trans-dichloroethylene	II
541-73-1	1,3-dichlorobenzene	D
74-83-9	bromomethane	D
74-87-3	chloromethane	D, CBD

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
56-23-5	carbon tetrachloride	A2
91-20-3	naphthalene	A4

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96-18-4	1,2,3-trichloropropane	A3
107-06-2	1,2-dichloroethane	A4
1634-04-4	tert-butyl methyl ether	A3
75-34-3	1,1-dichloroethane	A4
75-35-4	1,1-dichloroethylene	A4
78-87-5	1,2-dichloropropane	A4
79-34-5	1,1,2,2-tetrachloroethane	A3
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
127-18-4	tetrachloroethylene	A3
95-47-6	o-xylene	A4
79-00-5	1,1,2-trichloroethane	A3
75-00-3	chloroethane	A3
75-69-4	trichlorofluoromethane	A4
100-42-5	styrene	A4
75-09-2	dichloromethane	A3
95-50-1	1,2-dichlorobenzene	A4
100-41-4	ethylbenzene	A3
106-46-7	1,4-dichlorobenzene	A3
106-93-4	1,2-dibromoethane	A3
108-88-3	toluene	A4
108-90-7	chlorobenzene	A3
74-83-9	bromomethane	A4
74-87-3	chloromethane	A4
71-43-2	benzene	A1
67-66-3	trichloromethane	A3
75-25-2	bromoform	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

56-23-5	carbon tetrachloride
96-12-8	1,2-dibromo-3-chloropropane
96-18-4	1,2,3-trichloropropane
107-06-2	1,2-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-34-5	1,1,2,2-tetrachloroethane
127-18-4	tetrachloroethylene
79-00-5	1,1,2-trichloroethane
75-09-2	dichloromethane
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane
74-83-9	bromomethane
74-87-3	chloromethane
71-43-2	benzene

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67-66-3	trichloromethane
79-01-6	trichloroethylene
107-13-1	acrylonitrile
123-91-1	1,4-dioxane

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS06 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

methanol

4-methylpentan-2-one

hexan-2-one

(E)-1,3-dichloroprop-1-ene

· **Hazard statements**

Highly flammable liquid and vapor.

Toxic if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

Causes damage to the central nervous system and the visual organs.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground / bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Use non-sparking tools.

Take action to prevent static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If exposed or concerned: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** - Department Technical Manager
- **Date of previous version** 04/12/2024
- **Date of preparation** 06/30/2026
- **Abbreviations and acronyms:**
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - VOC: Volatile Organic Compounds (USA, EU)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
 - BEI: Biological Exposure Limit
 - Flammable liquids 2: Flammable liquids – Category 2
 - Acute toxicity - inhalation 3: Acute toxicity – Category 3
 - Sensitization - skin 1: Skin sensitisation – Category 1
 - Carcinogenicity 2: Carcinogenicity – Category 2
 - Reproductive toxicity 2: Reproductive toxicity – Category 2
 - Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
- *** Data compared to the previous version altered.**