

Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

1 Identification

- **Product identifier**
- **Trade name:** SPEO-008L, SQCO-008L
- **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**



GHS08 Health hazard

Germ cell mutagenicity 2

H341 Suspected of causing genetic defects.

Carcinogenicity 1A

H350 May cause cancer.

Specific target organ toxicity (single exposure) 1

H370 Causes damage to organs.

Specific target organ toxicity (repeated exposure) 1

H372 Causes damage to organs through prolonged or repeated exposure.

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



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Quartz (SiO₂)
- **Hazard statements**
Suspected of causing genetic defects.
May cause cancer.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
- **Precautionary statements**
Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 Specific treatment (see on this label).
 IF exposed or concerned: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 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)**



· **HMIS-ratings (scale 0 - 4)**



· **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:**

14808-60-7	Quartz (SiO ₂)	80–100%
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· **Non-hazardous components**

67-56-1	methanol	≥0.1–≤1%
7732-18-5	water, distilled, conductivity or of similar purity	≥0–≤0.1%
67-64-1	acetone	≥0–≤0.1%
78-93-3	butanone	≥0–≤0.1%
108-10-1	4-methylpentan-2-one	≥0–<0.1%
591-78-6	hexan-2-one	≥0–<0.1%
98-82-8	Cumene	≥0–<0.1%
56-23-5	carbon tetrachloride	≥0–<0.1%
60-29-7	diethyl ether	≥0–≤0.1%

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64-17-5	ethanol	$\geq 0 - < 0.1\%$
67-66-3	trichloromethane	$\geq 0 - < 0.1\%$
67-72-1	hexachloroethane	$\geq 0 - < 0.1\%$
71-43-2	benzene	$\geq 0 - < 0.1\%$
71-55-6	1,1,1-trichloroethane	$\geq 0 - < 0.1\%$
74-83-9	bromomethane	$\geq 0 - \leq 0.1\%$
74-87-3	chloromethane	$\geq 0 - < 0.1\%$
74-88-4	methyl iodide	$\geq 0 - < 0.1\%$
74-95-3	dibromomethane	$\geq 0 - \leq 0.1\%$
74-97-5	bromochloromethane	$\geq 0 - \leq 0.1\%$
75-00-3	chloroethane	$\geq 0 - < 0.1\%$
75-01-4	vinyl chloride	$\geq 0 - < 0.1\%$
75-05-8	acetonitrile	$\geq 0 - \leq 0.1\%$
75-09-2	dichloromethane	$\geq 0 - < 0.1\%$
75-15-0	carbon disulphide	$\geq 0 - \leq 0.1\%$
75-25-2	bromoform	$\geq 0 - \leq 0.1\%$
75-34-3	1,1-dichloroethane	$\geq 0 - \leq 0.1\%$
75-35-4	1,1-dichloroethylene	$\geq 0 - < 0.1\%$
75-65-0	2-methylpropan-2-ol	$\geq 0 - \leq 0.1\%$
75-69-4	trichlorofluoromethane	$\geq 0 - < 0.1\%$
75-71-8	dichlorodifluoromethane	$\geq 0 - \leq 0.1\%$
75-85-4	2-methylbutan-2-ol	$\geq 0 - \leq 0.1\%$
76-01-7	pentachloroethane	$\geq 0 - < 0.1\%$
76-13-1	1,1,2-trichlorotrifluoroethane	$\geq 0 - \leq 0.1\%$
78-83-1	butanol	$\geq 0 - \leq 0.1\%$
78-87-5	1,2-dichloropropane	$\geq 0 - < 0.1\%$
79-00-5	1,1,2-trichloroethane	$\geq 0 - < 0.1\%$
79-01-6	trichloroethylene	$\geq 0 - < 0.1\%$
79-20-9	methyl acetate	$\geq 0 - \leq 0.1\%$
79-34-5	1,1,2,2-tetrachloroethane	$\geq 0 - < 0.1\%$
80-62-6	methyl methacrylate	$\geq 0 - < 0.1\%$
87-61-6	1,2,3-trichlorobenzene	$\geq 0 - \leq 0.1\%$
87-68-3	hexachlorobuta-1,3-diene	$\geq 0 - < 0.1\%$
91-20-3	naphthalene	$\geq 0 - < 0.1\%$
95-47-6	o-xylene	$\geq 0 - \leq 0.1\%$
95-49-8	2-chlorotoluene	$\geq 0 - \leq 0.1\%$
95-50-1	1,2-dichlorobenzene	$\geq 0 - \leq 0.1\%$
95-63-6	1,2,4-trimethylbenzene	$\geq 0 - \leq 0.1\%$
96-12-8	1,2-dibromo-3-chloropropane	$\geq 0 - < 0.1\%$
96-18-4	1,2,3-trichloropropane	$\geq 0 - < 0.1\%$
97-63-2	ethyl methacrylate	$\geq 0 - < 0.1\%$
98-06-6	tert-butylbenzene	$\geq 0 - \leq 0.1\%$
99-87-6	p-cymene	$\geq 0 - \leq 0.1\%$

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100-41-4	ethylbenzene	$\geq 0 - < 0.1\%$
100-42-5	styrene	$\geq 0 - < 0.1\%$
103-65-1	propylbenzene	$\geq 0 - < 0.1\%$
104-51-8	butylbenzene	$\geq 0 - \leq 0.1\%$
106-42-3	p-xylene	$\geq 0 - \leq 0.1\%$
106-43-4	4-chlorotoluene	$\geq 0 - \leq 0.1\%$
106-46-7	1,4-dichlorobenzene	$\geq 0 - < 0.1\%$
106-93-4	1,2-dibromoethane	$\geq 0 - < 0.1\%$
107-02-8	acrolein	$\geq 0 - < 0.1\%$
107-05-1	3-chloropropene	$\geq 0 - < 0.1\%$
107-12-0	propanenitrile	$\geq 0 - \leq 0.1\%$
107-13-1	acrylonitrile	$\geq 0 - < 0.1\%$
108-05-4	vinyl acetate	$\geq 0 - < 0.1\%$
108-20-3	diisopropyl ether	$\geq 0 - \leq 0.1\%$
108-38-3	m-xylene	$\geq 0 - \leq 0.1\%$
108-67-8	mesitylene	$\geq 0 - \leq 0.1\%$
108-70-3	1,3,5-trichlorobenzene	$\geq 0 - \leq 0.1\%$
108-86-1	bromobenzene	$\geq 0 - \leq 0.1\%$
108-87-2	methylcyclohexane	$\geq 0 - \leq 0.1\%$
108-88-3	toluene	$\geq 0 - < 0.1\%$
108-90-7	chlorobenzene	$\geq 0 - \leq 0.1\%$
108-94-1	cyclohexanone	$\geq 0 - \leq 0.1\%$
109-99-9	tetrahydrofuran	$\geq 0 - < 0.1\%$
110-54-3	n-hexane	$\geq 0 - < 0.1\%$
110-57-6	(2E)-1,4-dichloro-2-butene	$\geq 0 - < 0.1\%$
110-75-8	2-chloroethyl vinyl ether	$\geq 0 - \leq 0.1\%$
120-82-1	1,2,4-trichlorobenzene	$\geq 0 - \leq 0.1\%$
123-91-1	1,4-dioxane	$\geq 0 - < 0.1\%$
124-48-1	dibromochloromethane	$\geq 0 - \leq 0.1\%$
126-98-7	methacrylonitrile	$\geq 0 - < 0.1\%$
126-99-8	chloroprene (stabilized)	$\geq 0 - < 0.1\%$
127-18-4	tetrachloroethylene	$\geq 0 - < 0.1\%$
135-98-8	sec-butylbenzene	$\geq 0 - \leq 0.1\%$
142-28-9	1,3-dichloropropane	$\geq 0 - \leq 0.1\%$
156-59-2	cis-dichloroethylene	$\geq 0 - \leq 0.1\%$
156-60-5	trans-dichloroethylene	$\geq 0 - \leq 0.1\%$
541-73-1	1,3-dichlorobenzene	$\geq 0 - \leq 0.1\%$
544-10-5	1-chlorohexane	$\geq 0 - \leq 0.1\%$

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4 First-aid measures

- **Description of first aid measures**

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **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:** Use fire fighting measures that suit the environment.

- **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.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
67-56-1	methanol	530 ppm
67-64-1	acetone	200 ppm
78-93-3	butanone	200 ppm
108-10-1	4-methylpentan-2-one	75 ppm
591-78-6	hexan-2-one	10 ppm
98-82-8	Cumene	50 ppm
56-23-5	carbon tetrachloride	1.2 ppm
60-29-7	diethyl ether	500 ppm
64-17-5	ethanol	1,800 ppm
67-66-3	trichloromethane	2.0 ppm
67-72-1	hexachloroethane	3 ppm
71-43-2	benzene	52 ppm
71-55-6	1,1,1-trichloroethane	230 ppm
74-83-9	bromomethane	19 ppm
74-87-3	chloromethane	150 ppm
74-88-4	methyl iodide	25 ppm

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74-95-3	dibromomethane	3 ppm
74-97-5	bromochloromethane	600 ppm
75-00-3	chloroethane	300 ppm
75-01-4	vinyl chloride	250 ppm
75-05-8	acetonitrile	13 ppm
75-09-2	dichloromethane	200 ppm
75-15-0	carbon disulphide	13 ppm
75-25-2	bromoform	1.5 ppm
75-34-3	1,1-dichloroethane	300 ppm
75-35-4	1,1-dichloroethylene	45 ppm
75-65-0	2-methylpropan-2-ol	150 ppm
75-69-4	trichlorofluoromethane	91 ppm
75-71-8	dichlorodifluoromethane	3,000 ppm

PAC-2:

14808-60-7	Quartz (SiO ₂)	8.3 mg/m ³
67-56-1	methanol	2100 ppm
67-64-1	acetone	3200* ppm
78-93-3	butanone	2700* ppm
108-10-1	4-methylpentan-2-one	500 ppm
591-78-6	hexan-2-one	830 ppm
98-82-8	Cumene	300 ppm
56-23-5	carbon tetrachloride	13 ppm
60-29-7	diethyl ether	3200* ppm
64-17-5	ethanol	3300* ppm
67-66-3	trichloromethane	64 ppm
67-72-1	hexachloroethane	36 ppm
71-43-2	benzene	800 ppm
71-55-6	1,1,1-trichloroethane	600 ppm
74-83-9	bromomethane	210 ppm
74-87-3	chloromethane	910 ppm
74-88-4	methyl iodide	50 ppm
74-95-3	dibromomethane	230 mg/m ³
74-97-5	bromochloromethane	830 ppm
75-00-3	chloroethane	5100* ppm
75-01-4	vinyl chloride	1200 ppm
75-05-8	acetonitrile	50 ppm
75-09-2	dichloromethane	560 ppm
75-15-0	carbon disulphide	160 ppm
75-25-2	bromoform	140 ppm
75-34-3	1,1-dichloroethane	670 ppm
75-35-4	1,1-dichloroethylene	500 ppm
75-65-0	2-methylpropan-2-ol	1,300 ppm
75-69-4	trichlorofluoromethane	1,000 ppm

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75-71-8	dichlorodifluoromethane	10,000 ppm
· PAC-3:		
14808-60-7	Quartz (SiO ₂)	50 mg/m ³
67-56-1	methanol	7200 ppm
67-64-1	acetone	5700* ppm
78-93-3	butanone	4000* ppm
108-10-1	4-methylpentan-2-one	3000* ppm
591-78-6	hexan-2-one	5000* ppm
98-82-8	Cumene	730 ppm
56-23-5	carbon tetrachloride	340 ppm
60-29-7	diethyl ether	19000*** ppm
64-17-5	ethanol	15000* ppm
67-66-3	trichloromethane	3200 ppm
67-72-1	hexachloroethane	300 ppm
71-43-2	benzene	4000* ppm
71-55-6	1,1,1-trichloroethane	4200 ppm
74-83-9	bromomethane	740 ppm
74-87-3	chloromethane	3000 ppm
74-88-4	methyl iodide	125 ppm
74-95-3	dibromomethane	1400 mg/m ³
74-97-5	bromochloromethane	5,000 ppm
75-00-3	chloroethane	20000** ppm
75-01-4	vinyl chloride	4800 ppm
75-05-8	acetonitrile	150 ppm
75-09-2	dichloromethane	6900 ppm
75-15-0	carbon disulphide	480 ppm
75-25-2	bromoform	850 ppm
75-34-3	1,1-dichloroethane	4,000 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
75-65-0	2-methylpropan-2-ol	8000* ppm
75-69-4	trichlorofluoromethane	10,000 ppm
75-71-8	dichlorodifluoromethane	50,000 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.

· Information about protection against explosions and fires: Keep respiratory protective device available.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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:**

14808-60-7 Quartz (SiO₂)

PEL	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /SiO ₂ +2
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2

- **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.
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

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· **Body protection:** Protective work clothing

* 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Physical state	Solid
· Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· Melting point/Melting range:	1,713 °C (35.113 °F)
· Boiling point/Boiling range:	2,230 °C (3630 °F)
· Flammability:	Not determined.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH-value:	Not applicable.
· Viscosity:	
· Kinematic:	Not applicable.
· Dynamic:	Not applicable.
· Solubility in / Miscibility with	
· Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 1732 °C (3,149.6 °F):	13.5 hPa (10.1 mm Hg)
· Vapor pressure:	
· Density at 20 °C (68 °F):	2.2–2.6 g/cm ³ (18.359–21.697 lbs/gal)
· Relative density	Not determined.
· Bulk density:	1,400 kg/m ³
· Vapor density	Not applicable.
· Particle characteristics	Not determined.

· Other information

· Appearance:	
· Form:	Solid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.4–1.1 %
· Water:	0–0.1 %
· VOC content:	0.42–1.02 %
· Solids content:	99 %
· Change in condition	
· Evaporation rate	Not applicable.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

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- **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.

*11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
14808-60-7	Quartz (SiO ₂)	1
108-10-1	4-methylpentan-2-one	2B
98-82-8	Cumene	2B
56-23-5	carbon tetrachloride	2B
64-17-5	ethanol	1
67-66-3	trichloromethane	2B
67-72-1	hexachloroethane	2B
71-43-2	benzene	1
71-55-6	1,1,1-trichloroethane	2A
74-83-9	bromomethane	3
74-87-3	chloromethane	3
74-88-4	methyl iodide	3
75-00-3	chloroethane	3
75-01-4	vinyl chloride	1
75-09-2	dichloromethane	2A
75-25-2	bromoform	3
75-35-4	1,1-dichloroethylene	2B
76-01-7	pentachloroethane	3
78-87-5	1,2-dichloropropane	1
79-00-5	1,1,2-trichloroethane	3
79-01-6	trichloroethylene	1
79-34-5	1,1,2,2-tetrachloroethane	2B
80-62-6	methyl methacrylate	3
87-68-3	hexachlorobuta-1,3-diene	3
91-20-3	naphthalene	2B

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95-47-6	o-xylene	3
95-50-1	1,2-dichlorobenzene	3
96-12-8	1,2-dibromo-3-chloropropane	2B
96-18-4	1,2,3-trichloropropane	2A
100-41-4	ethylbenzene	2B

· NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K
98-82-8	Cumene	R
56-23-5	carbon tetrachloride	R
67-66-3	trichloromethane	R
67-72-1	hexachloroethane	R
71-43-2	benzene	K
75-01-4	vinyl chloride	K
75-09-2	dichloromethane	R
79-01-6	trichloroethylene	K
91-20-3	naphthalene	R
96-12-8	1,2-dibromo-3-chloropropane	R
96-18-4	1,2,3-trichloropropane	R
100-42-5	styrene	R
106-46-7	1,4-dichlorobenzene	R
106-93-4	1,2-dibromoethane	R
107-13-1	acrylonitrile	R
123-91-1	1,4-dioxane	R
126-99-8	chloroprene (stabilized)	R
127-18-4	tetrachloroethylene	R

· OSHA-Ca (Occupational Safety & Health Administration)		
71-43-2	benzene	
75-01-4	vinyl chloride	
75-09-2	dichloromethane	
96-12-8	1,2-dibromo-3-chloropropane	
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.
- **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.

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- **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	
· DOT, IMDG, IATA	not regulated
· UN proper shipping name	
· DOT, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Special precautions for user	Not applicable.
· UN "Model Regulation":	not regulated

*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

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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.

· **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):**

67-66-3	trichloromethane
74-83-9	bromomethane
75-15-0	carbon disulphide
75-34-3	1,1-dichloroethane
107-02-8	acrolein
107-12-0	propanenitrile
107-13-1	acrylonitrile
108-05-4	vinyl acetate
110-57-6	(2E)-1,4-dichloro-2-butene
126-98-7	methacrylonitrile

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

67-56-1	methanol
108-10-1	4-methylpentan-2-one
98-82-8	Cumene
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
67-72-1	hexachloroethane
71-43-2	benzene
71-55-6	1,1,1-trichloroethane
74-83-9	bromomethane
74-87-3	chloromethane
74-88-4	methyl iodide
74-95-3	dibromomethane
75-00-3	chloroethane
75-01-4	vinyl chloride
75-05-8	acetonitrile
75-09-2	dichloromethane
75-15-0	carbon disulphide
75-25-2	bromoform
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene

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75-65-0	2-methylpropan-2-ol
75-69-4	trichlorofluoromethane
75-71-8	dichlorodifluoromethane
76-01-7	pentachloroethane
76-13-1	1,1,2-trichlorotrifluoroethane
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
80-62-6	methyl methacrylate

· TSCA (Toxic Substances Control Act):

14808-60-7	Quartz (SiO ₂)	ACTIVE
67-56-1	methanol	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
67-64-1	acetone	ACTIVE
78-93-3	butanone	ACTIVE
108-10-1	4-methylpentan-2-one	ACTIVE
591-78-6	hexan-2-one	ACTIVE
98-82-8	Cumene	ACTIVE
56-23-5	carbon tetrachloride	ACTIVE
60-29-7	diethyl ether	ACTIVE
64-17-5	ethanol	ACTIVE
67-66-3	trichloromethane	ACTIVE
67-72-1	hexachloroethane	ACTIVE
71-43-2	benzene	ACTIVE
71-55-6	1,1,1-trichloroethane	ACTIVE
74-83-9	bromomethane	ACTIVE
74-87-3	chloromethane	ACTIVE
74-88-4	methyl iodide	ACTIVE
74-95-3	dibromomethane	ACTIVE
74-97-5	bromochloromethane	ACTIVE
75-00-3	chloroethane	ACTIVE
75-01-4	vinyl chloride	ACTIVE
75-05-8	acetonitrile	ACTIVE
75-09-2	dichloromethane	ACTIVE
75-15-0	carbon disulphide	ACTIVE
75-25-2	bromoform	ACTIVE
75-34-3	1,1-dichloroethane	ACTIVE
75-35-4	1,1-dichloroethylene	ACTIVE
75-65-0	2-methylpropan-2-ol	ACTIVE
75-69-4	trichlorofluoromethane	ACTIVE

· Hazardous Air Pollutants

67-56-1	methanol
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108-10-1	4-methylpentan-2-one
98-82-8	Cumene
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
67-72-1	hexachloroethane
71-43-2	benzene
71-55-6	1,1,1-trichloroethane
74-83-9	bromomethane
74-87-3	chloromethane
74-88-4	methyl iodide
75-00-3	chloroethane
75-01-4	vinyl chloride
75-05-8	acetonitrile
75-09-2	dichloromethane
75-15-0	carbon disulphide
75-25-2	bromoform
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
80-62-6	methyl methacrylate
87-68-3	hexachlorobuta-1,3-diene
91-20-3	naphthalene
95-47-6	o-xylene
96-12-8	1,2-dibromo-3-chloropropane
100-41-4	ethylbenzene
100-42-5	styrene

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

14808-60-7	Quartz (SiO ₂)
108-10-1	4-methylpentan-2-one
98-82-8	Cumene
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
67-72-1	hexachloroethane
71-43-2	benzene
71-55-6	1,1,1-trichloroethane
74-88-4	methyl iodide
75-00-3	chloroethane
75-01-4	vinyl chloride
75-09-2	dichloromethane

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75-25-2	bromoform
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
87-68-3	hexachlorobuta-1,3-diene
91-20-3	naphthalene
96-12-8	1,2-dibromo-3-chloropropane
96-18-4	1,2,3-trichloropropane
100-41-4	ethylbenzene
100-42-5	styrene
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane
107-13-1	acrylonitrile
108-05-4	vinyl acetate
109-99-9	tetrahydrofuran

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

· **Chemicals known to cause developmental toxicity:**

67-56-1	methanol
108-10-1	4-methylpentan-2-one
591-78-6	hexan-2-one
64-17-5	ethanol
67-66-3	trichloromethane
71-43-2	benzene
74-83-9	bromomethane
74-87-3	chloromethane
75-15-0	carbon disulphide
79-01-6	trichloroethylene
106-93-4	1,2-dibromoethane
108-88-3	toluene

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

67-64-1	acetone	I
78-93-3	butanone	I
108-10-1	4-methylpentan-2-one	I
591-78-6	hexan-2-one	II
98-82-8	Cumene	D, CBD
56-23-5	carbon tetrachloride	L
67-66-3	trichloromethane	B2, L, NL
67-72-1	hexachloroethane	L
71-43-2	benzene	A, K/L
71-55-6	1,1,1-trichloroethane	II
74-83-9	bromomethane	D
74-87-3	chloromethane	D, CBD
74-97-5	bromochloromethane	D
75-01-4	vinyl chloride	A, K/L
75-05-8	acetonitrile	CBD, D
75-09-2	dichloromethane	L
75-25-2	bromoform	B2
75-34-3	1,1-dichloroethane	C
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
75-65-0	2-methylpropan-2-ol	SC
79-00-5	1,1,2-trichloroethane	C
79-01-6	trichloroethylene	CaH
79-34-5	1,1,2,2-tetrachloroethane	L
80-62-6	methyl methacrylate	E, NL
87-68-3	hexachlorobuta-1,3-diene	C
91-20-3	naphthalene	C, CBD
95-47-6	o-xylene	I
95-50-1	1,2-dichlorobenzene	D
95-63-6	1,2,4-trimethylbenzene	II
96-18-4	1,2,3-trichloropropane	L

· **TLV (Threshold Limit Value)**

14808-60-7	Quartz (SiO ₂)	A2
67-64-1	acetone	A4
56-23-5	carbon tetrachloride	A2
64-17-5	ethanol	A3
67-66-3	trichloromethane	A3
67-72-1	hexachloroethane	A3
71-43-2	benzene	A1
71-55-6	1,1,1-trichloroethane	A4
74-83-9	bromomethane	A4

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74-87-3	chloromethane	A4
75-00-3	chloroethane	A3
75-01-4	vinyl chloride	A1
75-05-8	acetonitrile	A4
75-09-2	dichloromethane	A3
75-15-0	carbon disulphide	A4
75-25-2	bromoform	A3
75-34-3	1,1-dichloroethane	A4
75-35-4	1,1-dichloroethylene	A4
75-65-0	2-methylpropan-2-ol	A4
75-69-4	trichlorofluoromethane	A4
75-71-8	dichlorodifluoromethane	A4
76-13-1	1,1,2-trichlorotrifluoroethane	A4
78-87-5	1,2-dichloropropane	A4
79-00-5	1,1,2-trichloroethane	A3
79-01-6	trichloroethylene	A2
79-34-5	1,1,2,2-tetrachloroethane	A3
80-62-6	methyl methacrylate	A4
87-68-3	hexachlorobuta-1,3-diene	A3
91-20-3	naphthalene	A4
95-47-6	o-xylene	A4

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

14808-60-7	Quartz (SiO ₂)	
56-23-5	carbon tetrachloride	
67-66-3	trichloromethane	
67-72-1	hexachloroethane	
71-43-2	benzene	
74-83-9	bromomethane	
74-87-3	chloromethane	
74-88-4	methyl iodide	
75-01-4	vinyl chloride	
75-09-2	dichloromethane	
75-35-4	1,1-dichloroethylene	
78-87-5	1,2-dichloropropane	
79-00-5	1,1,2-trichloroethane	
79-01-6	trichloroethylene	
79-34-5	1,1,2,2-tetrachloroethane	
87-68-3	hexachlorobuta-1,3-diene	
96-12-8	1,2-dibromo-3-chloropropane	
96-18-4	1,2,3-trichloropropane	
106-46-7	1,4-dichlorobenzene	
106-93-4	1,2-dibromoethane	
107-13-1	acrylonitrile	

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123-91-1	1,4-dioxane
126-99-8	chloroprene (stabilized)
127-18-4	tetrachloroethylene

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



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Quartz (SiO₂)
- **Hazard statements**
Suspected of causing genetic defects.
May cause cancer.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
- **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Specific treatment (see on this label).
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **National regulations:**
- **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **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** 04/26/2024
- **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

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*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)**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**Germ cell mutagenicity 2: Germ cell mutagenicity – Category 2**Carcinogenicity 1A: Carcinogenicity – Category 1A**Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1**Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1*** Data compared to the previous version altered.*

— US —