

## 1 Identification

- **Product identifier**
- **Trade name:** QCO-007-12
- **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

Specific Target Organ Toxicity - Single Exposure 1 H370 Causes damage to the central nervous system and the visual organs.

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



GHS02



GHS06



GHS08

- **Signal word** *Danger*
- **Hazard-determining components of labeling:**  
*methanol*
- **Hazard statements**  
*Highly flammable liquid and vapor.*  
*Toxic if inhaled.*  
*Causes damage to the central nervous system and the visual organs.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
*Ground/bond container and receiving equipment.*  
*Use explosion-proof electrical/ventilating/lighting/equipment.*  
*Use only non-sparking tools.*

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Take precautionary measures against 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.

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

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see on this label).

In case of fire: Use CO<sub>2</sub>, 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.

· **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.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

67-56-1	methanol	99-100%
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· **Non-hazardous components**

75-01-4	vinyl chloride	0.0018-0.0043%
75-09-2	dichloromethane	0.0015-0.0023%
108-90-7	chlorobenzene	0.0014-0.0022%
108-88-3	toluene	0.0013-0.002%
71-55-6	1,1,1-trichloroethane	0.0012-0.0018%
75-35-4	1,1-dichloroethylene	0.0011-0.0017%
156-59-2	cis-dichloroethylene	0.0011-0.0017%
79-01-6	trichloroethylene	0.0007-0.0017%
107-06-2	1,2-dichloroethane	0.0006-0.0014%
79-00-5	1,1,2-trichloroethane	0.0005-0.0014%

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71-43-2	benzene	0.0005–0.0012%
78-87-5	1,2-dichloropropane	0.0003–0.0009%
120-82-1	1,2,4-trichlorobenzene	0.0003–0.0009%
127-18-4	tetrachloroethylene	0.0003–0.0009%
100-41-4	ethylbenzene	0.0002–0.0007%
95-50-1	1,2-dichlorobenzene	0.0002–0.0006%
156-60-5	trans-dichloroethylene	0.0002–0.0006%
100-42-5	styrene	0.0001–0.0005%
56-23-5	carbon tetrachloride	0.0001–0.0004%

## 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.  
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.
- **Information for 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:**  
CO<sub>2</sub>, 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 item 13.  
Ensure adequate ventilation.

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· **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.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

67-56-1	methanol	530 ppm
75-01-4	vinyl chloride	250 ppm
75-09-2	dichloromethane	200 ppm
108-90-7	chlorobenzene	10 ppm
108-88-3	toluene	67 ppm
71-55-6	1,1,1-trichloroethane	230 ppm
75-35-4	1,1-dichloroethylene	45 ppm
156-59-2	cis-dichloroethylene	140 ppm
79-01-6	trichloroethylene	130 ppm
107-06-2	1,2-dichloroethane	50 ppm
79-00-5	1,1,2-trichloroethane	30 ppm
71-43-2	benzene	52 ppm
78-87-5	1,2-dichloropropane	30 ppm
120-82-1	1,2,4-trichlorobenzene	0.45 ppm
127-18-4	tetrachloroethylene	35 ppm
100-41-4	ethylbenzene	33 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
156-60-5	trans-dichloroethylene	280 ppm
100-42-5	styrene	20 ppm
56-23-5	carbon tetrachloride	1.2 ppm

· **PAC-2:**

67-56-1	methanol	2,100 ppm
75-01-4	vinyl chloride	1,200 ppm
75-09-2	dichloromethane	560 ppm
108-90-7	chlorobenzene	150 ppm
108-88-3	toluene	560 ppm
71-55-6	1,1,1-trichloroethane	600 ppm
75-35-4	1,1-dichloroethylene	500 ppm
156-59-2	cis-dichloroethylene	500 ppm
79-01-6	trichloroethylene	450 ppm
107-06-2	1,2-dichloroethane	200 ppm
79-00-5	1,1,2-trichloroethane	180 ppm
71-43-2	benzene	800 ppm
78-87-5	1,2-dichloropropane	220 ppm
120-82-1	1,2,4-trichlorobenzene	5 ppm
127-18-4	tetrachloroethylene	230 ppm
100-41-4	ethylbenzene	1100* ppm
95-50-1	1,2-dichlorobenzene	170 ppm

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156-60-5	trans-dichloroethylene	1,000 ppm
100-42-5	styrene	130 ppm
56-23-5	carbon tetrachloride	13 ppm
<b>· PAC-3:</b>		
67-56-1	methanol	7200* ppm
75-01-4	vinyl chloride	4800* ppm
75-09-2	dichloromethane	6,900 ppm
108-90-7	chlorobenzene	400 ppm
108-88-3	toluene	3700* ppm
71-55-6	1,1,1-trichloroethane	4,200 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
156-59-2	cis-dichloroethylene	850 ppm
79-01-6	trichloroethylene	3,800 ppm
107-06-2	1,2-dichloroethane	300 ppm
79-00-5	1,1,2-trichloroethane	500 ppm
71-43-2	benzene	4000* ppm
78-87-5	1,2-dichloropropane	2,000 ppm
120-82-1	1,2,4-trichlorobenzene	20 ppm
127-18-4	tetrachloroethylene	1,200 ppm
100-41-4	ethylbenzene	1800* ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
156-60-5	trans-dichloroethylene	1,700 ppm
100-42-5	styrene	1100* ppm
56-23-5	carbon tetrachloride	340 ppm

## 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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.

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## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

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

### 67-56-1 methanol

PEL Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 325 mg/m<sup>3</sup>, 250 ppm

Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

Skin

TLV Short-term value: 250 ppm

Long-term value: 200 ppm

Skin; BEI

· **Ingredients with biological limit values:**

### 67-56-1 methanol

BEI 15 mg/L

Medium: urine

Time: end of shift

Parameter: Methanol (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **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.

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## · Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Colorless
· Odor:	Alcohol-like
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	-98 °C (-144.4 °F)
Boiling point/Boiling range:	64.7 °C (148.5 °F)
· Flash point:	11 °C (51.8 °F)
· Flammability (solid, gaseous):	Highly flammable.
· Ignition temperature:	455 °C (851 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	5.5 Vol %
Upper:	44 Vol %
· Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
· Density at 20 °C (68 °F):	0.78224–0.79794 g/cm <sup>3</sup> (6.52779–6.65881 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Fully miscible.
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	99–100 %
VOC content:	99–99.98 %
	782.1–797.8 g/l / 6.53–6.66 lb/gal

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<b>Solids content:</b>	0.0 %
<b>Other information</b>	No further relevant information available.

## 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.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>ATE (Acute Toxicity Estimate)</b>		
Inhalative	LC50/4 h	3–3.03 mg/l

<b>67-56-1 methanol</b>		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

- **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:  
Toxic

- **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
75-01-4	vinyl chloride	1
75-09-2	dichloromethane	2A
108-88-3	toluene	3
71-55-6	1,1,1-trichloroethane	2A
75-35-4	1,1-dichloroethylene	2B
79-01-6	trichloroethylene	1
107-06-2	1,2-dichloroethane	2B
79-00-5	1,1,2-trichloroethane	3
71-43-2	benzene	1
78-87-5	1,2-dichloropropane	1
127-18-4	tetrachloroethylene	2A
100-41-4	ethylbenzene	2B

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95-50-1	1,2-dichlorobenzene	3
100-42-5	styrene	2A
56-23-5	carbon tetrachloride	2B
<b>· NTP (National Toxicology Program)</b>		
75-01-4	vinyl chloride	K
75-09-2	dichloromethane	R
79-01-6	trichloroethylene	K
107-06-2	1,2-dichloroethane	R
71-43-2	benzene	K
127-18-4	tetrachloroethylene	R
100-42-5	styrene	R
56-23-5	carbon tetrachloride	R
<b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
75-01-4	vinyl chloride	
75-09-2	dichloromethane	
71-43-2	benzene	

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 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.

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## 14 Transport information

· UN-Number · DOT, IMDG, IATA	UN1992
· UN proper shipping name · DOT · IMDG · IATA	Flammable liquids, toxic, n.o.s. (Methanol) FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL) Flammable liquid, toxic, n.o.s. (METHANOL)
· Transport hazard class(es) · DOT	
	
· Class · Label	3 Flammable liquids 3, 6.1
· IMDG	
	
· Class · Label	3 Flammable liquids 3/6.1
· IATA	
	
· Class · Label	3 Flammable liquids 3 (6.1)
· Packing group · DOT, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Stowage Code	Warning: Flammable liquids 336 F-E,S-D B SW2 Clear of living quarters.
· 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

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<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	IL Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3 (6.1), II

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Sara**

<ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>	
None of the ingredients is listed.	
<ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>	
67-56-1	methanol
75-01-4	vinyl chloride
75-09-2	dichloromethane
108-90-7	chlorobenzene
108-88-3	toluene
71-55-6	1,1,1-trichloroethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane
79-00-5	1,1,2-trichloroethane
71-43-2	benzene
78-87-5	1,2-dichloropropane
120-82-1	1,2,4-trichlorobenzene
127-18-4	tetrachloroethylene
100-41-4	ethylbenzene
95-50-1	1,2-dichlorobenzene
100-42-5	styrene
56-23-5	carbon tetrachloride
<ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act):</b></li> </ul>	
All components have the value ACTIVE.	
<ul style="list-style-type: none"> <li>· <b>Hazardous Air Pollutants</b></li> </ul>	
67-56-1	methanol
75-01-4	vinyl chloride
75-09-2	dichloromethane
108-90-7	chlorobenzene
108-88-3	toluene
71-55-6	1,1,1-trichloroethane

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75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane
79-00-5	1,1,2-trichloroethane
71-43-2	benzene
78-87-5	1,2-dichloropropane
120-82-1	1,2,4-trichlorobenzene
127-18-4	tetrachloroethylene
100-41-4	ethylbenzene
100-42-5	styrene
56-23-5	carbon tetrachloride

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

75-01-4	vinyl chloride
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane
79-00-5	1,1,2-trichloroethane
71-43-2	benzene
78-87-5	1,2-dichloropropane
127-18-4	tetrachloroethylene
100-41-4	ethylbenzene
100-42-5	styrene
56-23-5	carbon tetrachloride

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for males:**

79-01-6	trichloroethylene
71-43-2	benzene

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

67-56-1	methanol
108-88-3	toluene
79-01-6	trichloroethylene
71-43-2	benzene

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

75-01-4	vinyl chloride	A, K/L
75-09-2	dichloromethane	L
108-90-7	chlorobenzene	D
108-88-3	toluene	II
71-55-6	1,1,1-trichloroethane	II

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75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
156-59-2	cis-dichloroethylene	II
79-01-6	trichloroethylene	CaH
107-06-2	1,2-dichloroethane	B2
79-00-5	1,1,2-trichloroethane	C
71-43-2	benzene	A, K/L
120-82-1	1,2,4-trichlorobenzene	D
127-18-4	tetrachloroethylene	L
100-41-4	ethylbenzene	D
95-50-1	1,2-dichlorobenzene	D
156-60-5	trans-dichloroethylene	II
56-23-5	carbon tetrachloride	L

· **TLV (Threshold Limit Value)**

75-01-4	vinyl chloride	A1
75-09-2	dichloromethane	A3
108-90-7	chlorobenzene	A3
108-88-3	toluene	A4
71-55-6	1,1,1-trichloroethane	A4
75-35-4	1,1-dichloroethylene	A4
79-01-6	trichloroethylene	A2
107-06-2	1,2-dichloroethane	A4
79-00-5	1,1,2-trichloroethane	A3
71-43-2	benzene	A1
78-87-5	1,2-dichloropropane	A4
127-18-4	tetrachloroethylene	A3
100-41-4	ethylbenzene	A3
95-50-1	1,2-dichlorobenzene	A4
100-42-5	styrene	A4
56-23-5	carbon tetrachloride	A2

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

75-01-4	vinyl chloride
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane
79-00-5	1,1,2-trichloroethane
71-43-2	benzene
78-87-5	1,2-dichloropropane
127-18-4	tetrachloroethylene
56-23-5	carbon tetrachloride

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

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# Safety Data Sheet

acc. to OSHA HCS

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### · Hazard pictograms



GHS02   GHS06   GHS08

### · Signal word *Danger*

### · Hazard-determining components of labeling:

*methanol*

### · Hazard statements

*Highly flammable liquid and vapor.**Toxic if inhaled.**Causes damage to the central nervous system and the visual organs.*

### · Precautionary statements

*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**Ground/bond container and receiving equipment.**Use explosion-proof electrical/ventilating/lighting/equipment.**Use only non-sparking tools.**Take precautionary measures against 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.**Wear protective gloves/protective clothing/eye protection/face protection.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**IF exposed: Call a POISON CENTER or doctor/physician.**Specific treatment (see on this label).**In case of fire: Use CO<sub>2</sub>, 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.*

### · 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 preparation / last revision *04/03/2024*

### · Abbreviations and acronyms:

*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*

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*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**BEL: Biological Exposure Limit**Flammable Liquids 2: Flammable liquids – Category 2**Acute Toxicity - Inhalation 3: Acute toxicity – Category 3**Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1*

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