

Issue date: 07/24/2015

P-Cleaner Art. Nr. 1924330000
Version 1.0

Revision date: 07/24/2015

1. Identification

Product name P-Cleaner Art. Nr. 1924330000
Synonyms -
CAS # See section 3
Product code -
Product use Solvent.
Manufacturer/Supplier
Supplier(Manufacturer): Weidmüller Interface GmbH & Co. KG
Address: Klingenbergstraße 16, 32758 Detmold, Germany
Contact person(E-mail): info@chemical-check.de, k.schnurbusch@chemical-check.de
Telephone: +49 5231 14-0
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Emergency telephone Number: +49 (0) 700 / 24 112 112 (WR)

2. Hazard(s) identification

GHS classification

Physical hazards	Flammable liquids	Category 3
Health hazards	Specific target organ toxicity after single exposure	Category 3
	Reproductive toxicity	Category 1B
Environmental hazards	Not classified	

GHS label elements

Hazard Pictograms



Signal word

Danger

Hazard statement

Flammable liquid and vapour.
May cause drowsiness or dizziness.
May damage the unborn child.

Precautionary statement

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

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

Response

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 or concerned: Get medical advice/attention.

Call a poison center /doctor if you feel unwell.

In case of fire: Use water jet spray / alcohol resistant foam / CO₂ / dry extinguisher for extinction.

Storage

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

Store locked up.

Disposal

Dispose of contents/container in corroding with local regulation.

3. Composition / information on ingredients

Components	CAS#	Percent
1-methoxy-2-propanol	107-98-2	99.5-<100%
2-methoxypropanol	1589-47-5	<0.3%

4. First-aid Measures

First aid procedures

Eye contact

Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor.

Ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting - give copious water to drink. Consult doctor immediately.

Notes to physician

Treat symptoms.

5. Fire-fighting measures

Flammable properties

Flammable.

Extinguishing media

Suitable extinguishing media

Water jet spray / alcohol resistant foam / CO₂ / dry extinguisher.

Unsuitable extinguishing media

High volume water jet.

Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire, full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products

Oxides of carbon, toxic gases, explosive vapor/air mixture, dangerous vapors heavier than air.

6. Accidental release measures

Personal precautions

Keep unprotected persons away. Remove possible causes of ignition - do not smoke. Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping. For personal protection see section 8.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

Methods for cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

7. Handling and storage

Handling

Ensure good ventilation. Avoid aerosol formation. Avoid inhalation of the vapors. Avoid contact with eyes or skin. Keep away from sources of ignition - Do not smoke. Take precautions against electrostatic charges. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Also seal emptied tanks and tanks in the process after they have been used. Observe directions on label and instructions for use. Use working methods according to operating instructions. For precautions see section 2.2.

Storage

Keep out of access to unauthorized individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Observe special storage conditions. Do not store with flammable or self-igniting materials. Protect from direct sunlight and warming. Store in a well-ventilated place. Store cool.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	TWA	STEL	Peak	Notes
US ACGIH Threshold Limit Values (TLV)	1-methoxy-2-propanol	50 ppm	100 ppm	Not Available	TLV® Basis: Eye & URT irr
US NIOSH Recommended Exposure Limits (RELs)	1-methoxy-2-propanol	360 mg/m ³ /100 ppm	540 mg/m ³ /150 ppm	Not Available	Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
1-methoxy-2-propanol	150 ppm	150 ppm	470 ppm
Ingredient	Original IDLH		Revised IDLH
1-methoxy-2-propanol	Not Available		Not Available
2-methoxypropanol	Not Available		Not Available

Exposure controls:

Appropriate engineering controls: Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

Individual protection measures, such as personal protective equipment:

Eye / face protection	Tight fitting protective goggles with side protection (EN 166).
Skin protection	Chemical resistant protective gloves (EN 374). Protective gloves in butyl rubber (EN 374). Minimum layer thickness in mm: ≥ 0.5 . Permeation time (penetration time) in minutes: ≥ 480 . The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended. Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).
Respiratory protection	If OES or MEL is exceeded. Gas mask filter A (EN 14387), code color brown. Observe wearing time limitations for respiratory protection equipment.
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state	Liquid
Form	Liquid
Color	Colorless
Odor	Ether
Odor threshold	10 ppm
pH	4-7 (200 g/l, 20°C)
Vapor pressure	13.3 hPa (20°C)
Melting point/Freezing point	-95 °C
initial boiling point and boiling range	119-120 °C
Flash point	32 °C (DIN 51755 (Abel-Pensky, closed cup))
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Upper: 13.7 Vol-% Lower: 1.5 Vol-%
Vapor density	3.11
Solubility (water)	Mixable
Partition coefficient	Log pow=-0.437
Auto-ignition temperature	270 °C (DIN 51794)
Decomposition temperature	Not available
Specific gravity	Not available
Density	0.92 g/cm ³ (20°C)

Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Explosive properties	Product is not explosive. When using: development of explosive vapor/air mixture possible.
Oxidising properties	No
Other data	
Viscosity	1.91 mPas (20°C)
Molecular weight:	Not available
Molecular formula:	Not available
Solvents content	100%

10. Stability and reactivity

Reactivity	Exothermic reaction possible with: Oxidizing agents, peroxides.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Heating, open flame, ignition sources.
Incompatible materials	Oxidizing agents, peroxides.
Hazardous decomposition products	Oxides of carbon, toxic gases, explosive vapor/air mixture, dangerous vapors heavier than air.
Possibility of hazardous reactions	Possible build up of flammable vapor/air mixture.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available
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Information on toxicological effects:

Acute toxicity:	
1-methoxy-2-propanol (CAS#107-98-2)	

LD50(Oral, Rat):	>2000 mg/kg
LD50(Dermal, Rabbit):	>2000 mg/kg
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	May damage the unborn child.
STOT- single exposure:	May cause drowsiness or dizziness.
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

1-methoxy-2-propanol(CAS#107-98-2)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	>4600 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	>500mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: 1-methoxy-2-propanol (CAS#107-98-2): 90%(28d).
Bioaccumulative potential: 1-methoxy-2-propanol (CAS#107-98-2): log Pow: --0.37.
Mobility in soil: The product is mixable with water.
Results of PBT&vPvB assessment: The mixture does not contain any PBT&vPvB substance.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:
UN number UN3092
Proper shipping name 1-METHOXY-2-PROPANOL
Hazard class 3
Packing group III
Environmental hazards No

IATA

UN number UN3092
UN proper shipping name 1-METHOXY-2-PROPANOL
Transport hazard class(es) 3
Packing group III
Environmental hazards No

IMDG

UN number UN3092
UN proper shipping name 1-METHOXY-2-PROPANOL
Transport hazard class(es) 3
Packing group III
Environmental hazards No

15. Regulatory information

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

1-methoxy-2-propanol (107-98-2) is found on the following regulatory lists	"US - Alaska Limits for Air Contaminants" List. "US - Hawaii Air Contaminant Limits" List. "US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission
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	values" List. "US EPCRA Section 313 Chemical List" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
2-methoxypropanol (1589-47-5) is found on the following regulatory lists	"US EPCRA Section 313 Chemical List" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.

16. Other information, including date of preparation or last revision

HMIS® ratings

Health: 4
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 4
Flammability: 2
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

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