

Version 1.0

Issue date: 07/24/2015

Revision date: 07/24/2015

SDS Record Number: CSSS-TCO-010-117728

Section 1. Identification

Product identifier: P-Cleaner Art. Nr. 1924330000

Identification of the product: See section 3

Recommended use: Solvent.

Recommended restrictions: Not available.

Details of the supplier of the safety data sheet:

Supplier(Manufacturer): Weidmüller Interface GmbH & Co. KG

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Section 2. Hazards identification**Hazard classification of substance or mixture:**

GHS classification: Flammable liquids Category 3
Reproductive toxicity Category 1B
Specific target organ toxicity, single exposure; Narcotic effects Category 3

Label elements:**GHS labeling:****Signal word:**

Danger

Hazard statement:

Flammable liquid and vapour.

May cause drowsiness or dizziness.

May damage the unborn child.

Precautionary statement:

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.

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.

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

Store locked up.

Dispose of contents/container in corroding with local regulation.

Other hazards

Not applicable.

Section 3. Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration
1-methoxy-2-propanol	107-98-2	203-539-1	99.5-<100%
2-methoxypropanol	1589-47-5	216-455-5	<0.3%

Section 4. First aid measures

First-aid measures by route of exposure:

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.

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.

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

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

Most important symptoms and effects, both acute and delayed: May cause drowsiness or dizziness. May damage the unborn child.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

Section 5. Fire-fighting measures

Suitable extinguishing media: Use water jet spray / alcohol resistant foam / CO₂ / dry extinguisher.

Unsuitable extinguishing media: High volume water jet.

Specific hazards arising from the chemical: Oxides of carbon, toxic gases, explosive vapor/air mixture, dangerous vapors heavier than air.

Protective equipment and precautions for firefighters: 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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	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.
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 and materials for containment and cleaning up:	Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Section 7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities:	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.

Section 8. Exposure controls/personal protection

Exposure limit(s):	1-methoxy-2-propanol (CAS#107-98-2): The 8-Hour TWA Exposure Value is: 50 ppm. The 15-minute STEL is: 75 ppm. 2-methoxypropanol (CAS#1589-47-5): The 8-Hour TWA Exposure Value is: 20 ppm. The 15-minute STEL is: 40 ppm.
Engineering measures:	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:	
Eye/face protection:	Tight fitting protective goggles with side protection (EN 166).
Skin protection:	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.
Hand 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.

Section 9. Physical and chemical properties

Appearance:

Physical state:	Liquid
Form:	Liquid
Color:	Colorless

Odor:	Ether
Odour threshold:	10 ppm
PH:	4-7 (200 g/l, 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
Upper/lower flammability or explosive limits:	13.7 Vol-%/1.5 Vol-%
Vapor pressure:	13.3 hPa (20°C)
Vapor density:	3.11
Density:	0.92 g/cm ³ (20°C)
Solubility (H₂O) :	Mixable
Partition coefficient (n-octanol/water) :	Log pow=-0.437
Auto-ignition temperature:	270 °C (DIN 51794)
Decomposition temperature:	Not available
Molecular weight:	Not available
Molecular formula:	Not available
Viscosity:	1.91 mPas (20°C)
Specific gravity:	Not available
Explosive properties	Product is not explosive. When using: development of explosive vapor/air mixture possible.
Oxidising properties	No
Solvents content:	100%

Section 10. Stability and reactivity

Reactivity:	Exothermic reaction possible with: Oxidizing agents, peroxides.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Possible build up of flammable vapor/air mixture.
Conditions to avoid:	Contact with 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.

Section 11. Toxicological information

Information on toxicological effects

Likely route of exposure:	Not available.
Symptoms related to the physical, chemical and toxicological characteristics –immediate or delayed	The following may occur: May cause drowsiness or dizziness. May damage the unborn child.
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

Section 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.
Other adverse effects:	No data available.

Section 13. Disposal considerations

Disposal methods:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Waste from residues/unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging:	Pay attention to local and national official regulations. Recommendation: Do not perforate, cut up or weld uncleaned container.

Section 14. Transport information

ADR

UN number	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Environmental hazards	
Marine pollutant	No
EmS	F-E,S-D
Special precautions	Read safety instructions, SDS and emergency procedures before handling.
RID	
UN number	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Special precautions Read safety	Read safety instructions, SDS and emergency procedures before handling.
TDG	
UN number	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Special precautions Read safety	Read safety instructions, SDS and emergency procedures before handling.
ADR; IATA; IMDG; RID;TDG	



Transport in bulk according to Annex II of IBC03
 MARPOL 73/78 and the IBC Code:

Section 15. Regulatory information

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

United States of America

TSCA list

All components of this product are on the TSCA inventory.

Canada

DSL:

All components of this product are on the Canadian DSL.

WHMIS:

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR) and the Safety Data Sheet (SDS) contains all of the information required by the CPR.

WHMIS classification:

B2 - Flammable Liquid

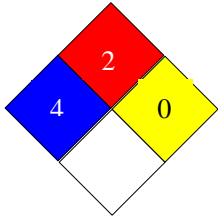
D2A - Very toxic material causing other toxic effects

WHMIS Marks



HMIS:

Health – 4, Flammability – 2, Reactivity – 0

Section 16. Other information**National Fire Protection Association (U.S.A)****Indication of changes:**

Version 1.0 Amended by WHMIS.

Training instructions:

Not applicable.

Further information:

This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.