



SAFETY DATA SHEET

Prepared in accordance with Commission Regulation (EU) 830/2015, amending Regulation 1907/2006, REACH

DIPROPYLENEGLYCOL, technical grade

Revision: 4

Last up date: 10.04.2017

Issued date: February, 2011

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Substance Identification

Trade name	Dipropylene glycol -technical grade
IUPAC name	1,1-oxydi-2-propanol
EINECS (EC)	246-770-3
CAS	25265-71-8
Molecular Formula	C ₆ H ₁₄ O ₃
Molecular weight	134.1736
REACH Registration number	01-2119456811-38-0008
Type of substances	Mono-constituent substance/organic acc. to REACH regulation

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use in industrial settings:

Industrial use [SU3, SU8, SU9] Manufacturing of substances [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15]

Industrial use [SU3, SU8, SU9]; Use as intermediate [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC 15]

Industrial use [SU3, SU10] Formulation & Repacking of substances and mixture [PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC 9, PROC 14, PROC15]

Industrial use [SU3] Use in coatings [PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15]

Industrial use [SU3] ; Use cleaning agents [PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13]

Industrial use [SU3] ; Use in lubricants [PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17, PROC18]

Industrial use [SU3]; Metal working fluids/rolling oils [PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17]

Industrial use [SU3]; Use as binders and release agents [PROC1, PROC2, PROC3, PROC4, PROC6, PROC7, PROC8b, PROC9, PROC10, PROC13, PROC14]

Industrial use [SU3]; Use as functional fluids [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9]

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Industrial use; Laboratory agents [PROC10, PROC15]

Industrial use [SU3]; Water treatment chemicals [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13]

Industrial use [SU3]; Polymer production [PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC 14, PROC21]

Uses by professional workers

Professional use [SU22] Use in coatings [PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC19]

Professional use [SU22]; Use cleaning agents [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC 11, PROC13]

Professional use [SU22]; Use in lubricants [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC 11, PROC13, PROC17, PROC18, PROC20]

Professional use [SU22]; Metal working fluids/rolling oils [PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17]

Professional use [SU22]; Use as binders and release agents [PROC1, PROC2, PROC3, PROC4, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC14]

Professional use [SU22]; Use as functional fluids [PROC1, PROC2, PROC3, PROC8a, PROC9, PROC 20]

Professional use [SU22]; De-icing and anti-icing applications [PROC1, PROC2, PROC8a, PROC8b, PROC11]

Professional use [SU22]; laboratory agents [PROC10, PROC15]

Professional use [SU22]; Water treatment chemicals [PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC13]

Professional use [SU22]; Polymer processing [PROC1, PROC2, PROC3, PROC6, PROC8a, PROC8b, PROC 14, PROC21]

Uses by consumers

Consumer Use [21]; Uses in coatings [PC1, PC4, PC8, PC9a, PC9b, PC9c, PC15, PC18, PC23, PC24, PC 31, PC34]

Consumer Use [21]; use in cleaning agents [PC3, PC4, PC8, PC9a, PC9b, PC9c, PC24, PC 35, PC38]

Consumer Use [21]; Lubricants [PC1, PC24, PC31]

Consumer Use [21]; functional fluids [PC16, PC17]

Consumer Use [21]; De-icing and anti-icing applications [PC 4]

Consumer Use [21]; other consumer uses [PC28, PC29]

Uses advised against: There are no uses advised against.



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1.3. Details of the supplier of the safety data sheet

Name	S.C. OLTCHIM S.A
Address	1 Uzinei Street, 240050 Ramnicu Valcea, Romania
Phone N°	+40 250 701 200
FAX N°	+40 250 735 030
E-mail of competent person responsible for SDS in the MS or in the EU:	tehnic@oltchim.ro

1.4. Emergency telephone

European Emergency N°:	112
Emergency telephone at the company:	+40/250/738141- available 24h/day/365days
For Romania- The institution responsible with providing information in case of a health emergency is The National Institute for Public Health, Department for the International Sanitary Regulation and Toxicological Information.	Telephone: 021.318.36.06, Opening hours: Monday - Friday from 8 a.m. to 3 p.m.

2.HAZARD IDENTIFICATION

2.1. Classification of the substances or the mixture

2.1.1. Classification according to Regulation (EC) 1272/2008 (CLP)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2. Label elements

Labeling according to Regulation (EC) 1272/2008

Signal word: No signal word

No label according to Regulation (EC) 1272/2008.

2.3 Other hazard

Dipropylene glycol is not considered to be a PBT or a vPvB substance.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no.	EINECS (EC No)	Concentration, % (w/w)
Dipropylene glycol	25265-71-8	246-770-3	≥80
Monopropylene glycol	57-55-6	200-338-0	≥4.5
Tripropylene glycol	24800-44-0	246-466-0	≥1.5

Impurities

No impurities relevant for classification and labeling.

4 . FIRST - AID MEASURES

4.1 Description of first aid measures

General Advice: If exposed or if you feel unwell: Call a Poison Center or doctor/physician. Show this safety data sheet to the doctor in attendance.

Following inhalation: Remove to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.

Following skin contact: Remove contaminated clothing and wash before reuse. Wash skin with soap and plenty of water immediately at least 15-20 minutes, until no evidence of chemical remains.

Following eye contact: Wash eyes immediately with large amounts of lukewarm water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15-20 minutes. Get medical attention immediately if pain, tears or redness develops.

Following ingestion: Relatively non-toxic. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms:High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).



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Hazard: This product is of low acute toxicity. May cause irritation of the eyes, skin and mucous membranes. Hot vapors may cause lung damage. The product is not sensitising.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically and supportively.

In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney disfunction may require special treatment.

5. FIRE - FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam or carbon dioxide and water spray.

Unsuitable extinguishing media: Do not use solid water stream.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Slight fire hazard when exposed to heat or flame. Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapor can burn in open or explode if confined. The vapor is heavier than air and will accumulate in low area. May travel long distances along the ground before igniting and flashing back to vapor source.
Carbon monoxide and dioxide may form when heated to decomposition.

5.3 Advice for firefighters

Protection of the fire-fighters: Firefighters should be equipped with protective equipment and self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Other information: Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.



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6. ACCIDENTAL RELEASE MEASURES

6.1 . Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary and unprotected personnel away from entering. Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8). Do not touch or walk through spilt material. Shut off all ignition sources.

For emergency responders: Ventilate area of leak or spill. Remove all sources of ignition. Persons performing clean-up work should wear adequate personal protective equipment and a self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6.2. Environmental precautions

Prevent from contamination the ground and the surface water by isolating the hazard area. Contain and recover liquid when possible. Keep closed containers and dispose according to all applicable federal, state or local environment regulations.

6.3. Methods and materials for containment and cleaning up

Methods of cleaning up: Remove all ignition sources. Notify fire and environmental authorities. Absorb spills with dry sand, earth or similar non-combustible absorbent material then collect into drums for later disposal. Incinerate or bury in a licensed facility if permitted. For large, dike and pump into suitable containers for disposal. Flush area with plenty of water. Waste water will be treated in biological treatment plant.

Special precautions: Do not use combustible materials, such as saw dust. Do not flush to sewer! Slippery walking! Spread granular cover!

6.4 Reference to other sections

Additional advice: Refer to section 8, 13.



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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures: No special measures required. It is not considered a hazardous material in most industrial operations. Protect containers from physical damage. Sources of ignition such as smoking and open flames prohibited where dipropylene glycol is handled.

Advice on general occupational hygiene: Avoid ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed containers in a cool, dry, well ventilated area away from sources of heat, moisture and incompatible substances. The suitable storage temperature is between 15-30⁰C temperatures. It is generally recommended that temperatures not exceeding 40 Celsius degree. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid).

Incompatibilities: Strong oxidizers, strong acid, isocyanates.

Advice on storage materials: Carbon/Mild steel with suitable internal coating.

7.3 Specific end uses

See Section 1.2., Development of Exposure Scenarios for such use are not required by the REACH Regulation other than what is provided in other sections of this SDS. Dipropylene glycol is not classified hazardous for human health or the environment, is not a CMR and is not PBT or vPvB. No use-specific Risk Management Measures are proposed.



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8 . EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters Occupational Exposure Limits

Consult local authorities for acceptable exposure limits.

DN(M)EL	End Use: Workers Routes of exposure: Skin contact Potential health effects: Long term Value: 84 mg/kg bw/day Systemic effects
DN(M)EL	End Use: Workers Routes of exposure: Inhalation Potential health effects: Long term Value: 283 mg/m ³ Systemic effects
DN(M)EL	End Use: General Population Routes of exposure: Skin contact Value: 51 mg/kg bw/day Systemic effects
DN(M)EL	End Use: General Population Routes of exposure: Inhalation Value: 70 mg/m ³ Systemic effects
DN(M)EL	End Use: General Population Routes of exposure: Ingestion Value: 24 mg/kg bw/day Systemic effects

PNEC	Fresh water Value: 0.1 mg/l Assessment factor- 1000
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PNEC	Sea water Value: 0.01 mg/l Assessment factor- 10000
PNEC	Water Value: 1mg/l Intermittent Releases, Assessment factor -100
PNEC	Fresh water sediment Value: 0.238 mg/kg dw
PNEC	Soil Value:0.0253 mg/kg dw
PNEC	Sewage Treatment Plant Value: 10000 mg/l Assessment factor -1
PNEC	Oral Value: 313mg/kg food

8.2. Exposure control

Engineering control : No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control. A system of local and/or general exhaust is recommended to keep employee exposure as low as possible.

8.2.2. Personal protective equipment

Eye/Face protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Equipment for eye protection should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Maintain eye wash fountain and quick-drench facilities in work area.

Skin protection: Not normally considered a skin hazard. Wear protective clothing including boots, lab coat, apron or coveralls as appropriate to prevent skin contact.

Hand protection: Not normally considered a skin hazard. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. The selected protective gloves have to satisfy the specifications of the standard EN 374 derived from it. Examples of preferred glove barrier materials include:



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Nitrile rubber/Nitrile latex (NBR); GESTIS substance database
(hazardous substance information system of commercial professional associations).

Respiratory protection: No special respirator protection is recommended under anticipated conditions of normal use with adequate ventilation. Where excessive vapor or aerosol may result from use, use respiratory protection equipment for organic substances.

Other precautions: Maintain shower, eye wash fountain and quick-drench facilities in work area.

Environmental exposure controls : See section 6

9. PHYSICAL AND CHEMICAL PROPERTIES

General informations

Appearance	liquid at 20 °C (1,013.25 hPa)
Color	clear colorless
Odor	Characteristic odour

Important health, safety and environmental informations

pH	NA
Boiling point	190-230°C at 760 mmHg pressure
Flash point	126.7°C
Flammability	non flammable
Explosive properties	not explosive
Oxidizing properties	not considered an oxidizing agent
Vapor pressure, at 25 °C	1.3 Pa
Specific gravity (water=1)	1.025 at 20°C
Water solubility	miscible with water at 20 °C
Partition coefficient (n-octanol-water)	-0.462 at 21.7 °C and pH = 6
Vapor relative density (air=1)	2.6 at 20°C
Cinematic viscosity	118 mm ² /s at 20 °C 32 mm ² /s at 40 °C

Other informations

Melting point	< -20 °C
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10 . STABILITY AND REACTIVITY

10.1. Reactivity: Stable under ordinary conditions of use and storage.

10.2.Chemical stability: Stable under ordinary conditions of use and storage. Product is very hygroscopic.

10.3 Possibility of hazardous reactions: Not expected to occur.

10.4.Conditions to avoid: Heat, flame, sources of ignition and oxidizing conditions.

10.5.Materials to avoid: Strong oxidizers, strong acids, isocyanates.

10.6. Hazardous decomposition products: Carbon monoxide and dioxide may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

	Conclusions
Acute toxicity	<p><u>Oral:</u> LD0 (rat): > 5 0000 mg/kg bw Remarks: Ingestion of high doses may cause discomfort and irritation of the gastrointestinal tract and CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).</p> <p><u>Inhalation:</u> LC50 (rat) >2.34 mg/l (4h of exposure) Vapors may cause irritation of the eyes, nose and throat as well as CNS depression (fatigue, dizziness, loss of concentration, with collapse, coma and death possible in cases of severe overexposure). High vapor concentrations may be irritating to the upper respiratory tract.</p>



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	<u>Skin</u> LD50(rabbit)>5010 mg/kg Remarks: Repeated exposure may cause cracking and drying due to the extraction of oil
Irritation/Corrosion	Skin irritation / corrosion: not classified as irritating Eye irritation: not classified as irritating
Sensitisation	Skin: not sensitizing Respiratory: not sensitizing
Repeated dose toxicity	Remarks: Effects noted in repeated-exposure studies in rodents reveal target organ effects specific to rodents and are not relevant to human health or occurred at very high dose levels of low relevance to human exposures.
Mutagenity	Negative for genotoxicity using both in vitro and in vivo tes
Carcinogenity	Did not show carcinogenic effects in animal experiments.
Toxicity for reproduction	No toxicity for reproduction.

12. ECOLOGICAL INFORMATION

12.1 Acute Ecotoxicity

Short-term toxicity to fish

freshwater: *Oryzias latipes* (Orange-red killifish) LC50> 1000 mg/L (96 h of exposure)

Short-term toxicity to aquatic invertebrates

freshwater: *Daphnia magna* EC50 >100 mg/L (48 h of exposure)

Algae and aquatic plants

Desmodesmus subspicatus (green algae) EC50: > 100 mg/l (72 h of exposure)

Toxicity to bacteria

Pseudomonas putida EC 10>1000 mg/L (18 h of exposure)

12.2. Persistence and degradability:

Readily biodegradable in aerobic conditions.



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12.3. Bioaccumulative potential: Bioconcentration factor (BCF): <5 Remarks: This material is not expected to bioaccumulate.

12.4 Mobility

Surface tension: 71.4mN/m 1.01 g/L at 22⁰C

Distribution among environmental compartments: Environmental releases of dipropylene glycol will tend to partition to water and soil, with little potential for evaporation.

Environmental fate and pathway-additional advice: No additional information available.

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

This material is expected to be non-hazardous to aquatic species.

13. DISPOSAL CONSIDERATIONS

This section contains generic advice and guidance.

13.1 Waste treatment methods

13.1.1 Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Empty containers some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.



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Waste Code: No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

13.1.2. Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Relevant European legislation regarding waste:

Directive 2008/98/EC on waste (Waste framework Directive)

Directive 2008/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste
Regulation (Ec) No 1013/2006 of the European Parliament and of the Council on shipments of waste, with subsequent modifications and additions

14. TRANSPORT INFORMATION

Dipropylene Glycol is not regulated for any mode of transportation.

15. REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH) Regulation (EC) no.1907/2006 of the European Parliament and of the Council regarding the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation

Regulation (EC) no.1272/2008 of the European Parliament and of the Council on the Classification, Labeling and Packaging of substances and mixtures.

Directive 2012/18/EU (SEVESO III) of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC.

Regulation (EC) No 1005/2009 of the European Parliament and of the Council on substances that deplete the ozone layer.

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).



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Regulation referring to the International Carriage of Dangerous Goods by Rail (RID).
International Maritime Dangerous Goods (IMDG).

EU Regulation (EC) No. 1907/2006 (REACH):

Annex XIV of REACH -Authorization: Dipropylene glycol is not subject to authorisation procedure.

Annex XVII of REACH regulation- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: no restriction

Other EU regulations: Dipropylene glycol is not subject to:

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Regulation (EC) No 850/2004 on persistent organic pollutants

Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals

Is not a SEVESO substance according Directive 2012/18/EU (SEVESO III).

Water contaminating class WGK 1 slightly water endangering (Germany regulation)

15.2 Chemical safety Assessment Assessment

Propylene glycol is not classified for human health or the environment, is not a CMR and is not PBT or vPvB. An exposure assessment and the calculation of risk characterisation ratios are therefore not required.

16. OTHER INFORMATION

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16.1. Abbreviation and acronyms (NOT ALL ARE USED IN THIS SDS)

AC Article category

BSAF Bio soil accumulation factor

BCF Bio concentration factor

CAS Chemical Abstracts Service

CLP Classification, labelling and packaging

CMR Carcinogenic, mutagenic or toxic for reproduction

CSA/CSR Chemical safety assessment / Chemical safety report

DNEL Derived no effect level

EC10 Concentration of a substance where 10% of the population is affected

EC50 Concentration of a substance where 50% of the population is affected



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Cod: FDS 011

SAFETY DATA SHEET

Prepared in accordance with Annex II of the REACH Regulation (EC) 1907/2006,
Regulation (EC) 1272/2010 and Regulation (EC) 453/2010

DIPROPYLENEGLYCOL, technical grade

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ECHA European chemicals agency
EINECS EU list of existing chemical substances
EmS Emergency schedule
ERC Environmental release category
ES Exposure scenario
eSDS Extended safety data sheet
GHS Globally harmonised system
IATA-DGR International air transport association - dangerous goods regulations
ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air
IU Identified use
IUPAC International Union of Pure and Applied Chemistry
IBC code International code for the construction and equipment of ships carrying dangerous chemicals in bulk
IMDG International maritime dangerous goods
KP Partition coefficient
LC10 Lethal concentration of a substance that can be expected to cause death in 10% of the population
LC50 Lethal concentration of a substance that can be expected to cause death in 50% of the population
LD50 Lethal dose of a substance that can be expected to cause death in 50% of the population
NO(A)EC No observed (adverse) effect concentration
NO(A)EL No observed (adverse) effect level
OECD Organisation for economic co-operation and development
OEL Occupational exposure limit
PBT Persistent, bioaccumulative, and toxic
PC Product category
PNEC Predicted no-effect concentration
PROC Process category
REACH Registration, evaluation, authorisation and restriction of chemicals (i.e. Regulation (EC) No. 1907/2006)
RID International rule for transport of dangerous substances by railway
SDS Safety data sheet
STOT Specific target organ toxicant
STP Sewage treatment plant
SU Sector of end use
TWA Time weighted average
vPvB Very persistent, very bioaccumulative



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16.2. Key literature references

The information provided in this SDS is consistent with the information provided in the REACH CSR. The CSR contains a complete reference list for all data used. Non confidential data from the REACH registration dossier are published by the ECHA, see <https://echa.europa.eu/information-on-chemicals/registered-substances> ; http://echa.europa.eu/clp/c_1_inventory_en.asp
<http://chelist.jrc.ec.europa.eu>
<http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

16.3. Revision: Revision 4 replaced revision 3 dated November 23, 2015. Some chapters of this safety data sheet have been revised according to the provision of Regulation (EC) No. 1907/2006, as amended by Regulation 830/2015, and Regulation (EC) No. 1272/2008 -consolidated. The information provided in this SDS is consistent with the information provided in the REACH CSR for propylene glycol as revised in 2016.

Disclaimer:

Oltchim provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Furthermore, this safety data sheet is made up based on the legal requirements as set by EC 1907/2006 (REACH) and EC Regulation 830/2015.



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