



Coolant Winterstorage -35°C

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 26/01/2016 Revision date: 09/10/2018 Supersedes: 26/01/2016 Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Coolant Winterstorage -35°C
Product code : 837
Article number : 83700

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Function or use category : Antifreeze/Coolant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV
Maxwellstraat 41
3316 GP Dordrecht - Nederland
T 0031 78 651 2322 - F 0031 78 617 4848
rjjonker@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010
During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Adverse physicochemical, human health and environmental effects

This product is not classified as hazardous.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

PBT: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propane-1,2-diol	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	30 - 49.5	Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Assure fresh air breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Seek medical advice (show the label where possible).

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

Symptoms/effects after inhalation	: Not expected to be harmful if inhaled.
Symptoms/effects after skin contact	: Contact with the skin is not expected to be harmful.
Symptoms/effects after eye contact	: Not expected to cause prolonged or significant eye irritation.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water haze. Foam. Dry chemical. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Not unidentified organic compounds.

5.3. Advice for firefighters

Firefighting instructions : This material will burn, although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. See Heading 5. See Heading 8.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Clean up even minor leaks or spills, if possible, without unnecessary risk. Use appropriate container to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. On land, sweep or shovel into suitable containers. Take up large spills with pump or vacuum. Dispose in a safe manner in accordance with local/national regulations. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

See Heading 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Do NOT taste or swallow.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Prevent entry to sewers and public waters. Take precautionary measures against static discharges. Never pressurise packagings as they will not resist.

7.3. Specific end use(s)

Antifreeze/Coolant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propane-1,2-diol (57-55-6)

United Kingdom	WEL TWA (mg/m ³)	474 mg/m ³
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Additional information

: Consider the potential hazards of this material (See section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.2. Exposure controls

Hand protection:

Gloves material: Nitrile. Polyvinylchloride (PVC) . neoprene/natural rubber

Eye protection:

Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No special protection required where adequate ventilation is maintained.

Other information:

Good ventilation of the workplace required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: mild.
Odour threshold	: No data available
pH	: 9.7 - 10.1
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 164 °C (327.2°F) (Typical)
Flash point	: 100 °C (212°F) (Pensky-Martens Closed Cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 kg/l (20°C / 68°F)
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: > 7 mm ² /s (20°C / 20°F)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 2.6 - 12.5 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

No additional information available

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10.5. Incompatible materials

Strong acids. Strong oxidizers. Nitrates. Peroxides. Chlorates.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Acute toxicity (dermal)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Acute toxicity (inhalation)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Skin corrosion/irritation	: The hazard is based on evaluation of data for similar materials or product components. pH: 9.7 - 10.1
Serious eye damage/irritation	: The hazard is based on evaluation of data for similar materials or product components. pH: 9.7 - 10.1
Respiratory or skin sensitisation	: The hazard is based on evaluation of data for similar materials or product components.
Germ cell mutagenicity	: The hazard is based on evaluation of data for similar materials or product components.
Carcinogenicity	: The hazard is based on evaluation of data for similar materials or product components.
Reproductive toxicity	: The hazard is based on evaluation of data for similar materials or product components.
STOT-single exposure	: The hazard is based on evaluation of data for similar materials or product components.
STOT-repeated exposure	: The hazard is based on evaluation of data for similar materials or product components.
Aspiration hazard	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

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Viscosity, kinematic	> 7 mm ² /s (20°C / 20°F)
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not harmful to aquatic organisms. Not tested.
Acute aquatic toxicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Chronic aquatic toxicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

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Persistence and degradability	Not tested. This material is expected to be readily biodegradable.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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PBT: not relevant – no registration required

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Packaging that cannot be reused after cleaning must be disposed of or recycled in accordance with federal, national and local regulations.
European List of Waste (LoW) code	: 16 01 15 - antifreeze fluids other than those mentioned in 16 01 14

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				
14.6. Special precautions for user				
Overland transport Not applicable				
Transport by sea Not applicable				
Air transport Not applicable				
Inland waterway transport Not applicable				
Rail transport Not applicable				
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code				
Not applicable				

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No

SECTION 16: Other information

Abbreviations and acronyms:	
	Abbreviations and acronyms: RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ICAO: International Civil Aviation Organization ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and labelling of Chemicals 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) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product