



# Radiator Stop Leak

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Date of issue:10/5/2015 Revision date:10/6/2015Supersedes:10/5/2015

Version: 1.5

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

#### 1.1. Product identifier

Product form : Mixture  
Article number : 14001  
Product code : 14001

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

##### 1.2.1. Relevant identified uses

Function or use category : Multicomponent liquid.

##### 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  
[rjonker@bardahl.nl](mailto:rjonker@bardahl.nl) - [www.bardahl.nl](http://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	Organization/Company	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	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

#### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children  
P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER  
P501 - Dispose of contents/container in accordance with local regulations.

Security closing plug for children. : No

Tactile warning : No

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol, isopropyl alcohol, isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25-XXXX	< 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Assure fresh air breathing.  
First-aid measures after skin contact : Wash skin thoroughly with mild soap and water.  
First-aid measures after eye contact : Rinse immediately with plenty of water.  
First-aid measures after ingestion : Seek medical attention if ill effect develops.

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

- Symptoms/injuries after inhalation : Inhalation of vapors may cause respiratory irritation.  
Symptoms/injuries after skin contact : Not expected to be an irritant.  
Symptoms/injuries after eye contact : Direct contact with the eyes is likely slightly irritating.  
Symptoms/injuries 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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Powder. Water haze. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

#### 5.3. Advice for firefighters

- Protection during firefighting : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Keep public away from danger area.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 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. Take up large spills with pump or vacuum.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : No smoking. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing.  
Precautions for safe handling : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Remove/Take off immediately all contaminated clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry, cool, well-ventilated area. Keep in original containers.  
Maximum storage period : 5 year

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

EU	IOELV TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
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propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
EU	IOELV TWA (ppm)	400 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	500 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	650 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	250 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	650 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	250 ppm
Netherlands	MAC C (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>

### 8.2. Exposure controls

Hand protection	: Wear suitable gloves tested to EN374.
Eye protection	: Avoid contact with eyes.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Where excessive vapor may result, wear approved mask.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Blue.
Odor	: characteristic.
Odor threshold	: No data available
pH	: 8 - 9
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Open flame. Sparks. Heat.

### 10.5. Incompatible materials

Strong oxidizers.

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### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Hydrocarbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Section 2

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Skin corrosion/irritation : Not classified  
pH: 8 - 9

Serious eye damage/irritation : Not classified  
pH: 8 - 9

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LC50 other aquatic organisms 1	9640 mg/l (Pimephales promelas)
EC50 Daphnia 1	> 9700 mg/l (24h)
EC50 other aquatic organisms 1	> 1000 mg/l (Algen 72h)

### 12.2. Persistence and degradability

No additional information available

### 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

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point. Do not empty into drains.

## SECTION 14: Transport information

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

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

### 14.6. Special precautions for user

Emergency action in case of accident: : NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY., Keep public away from danger area., Mark roads and warns other road users., No naked lights. No smoking., Stop the engine.

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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 REACH candidate substance

Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

##### Germany

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VwVwS Annex reference	: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Netherlands

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

	Supersedes	Added	
	Revision date	Added	
3	Composition/Information on ingredients	Modified	
9.1	Boiling point	Added	
9.1	Relative density	Removed	
15.1	Professional diseases	Removed	

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
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Full text of H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

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*