	SAFETY DATA SHEET	Page : 1 / 6
		Revised edition no : 4
		Date : 15 / 1 / 2015
		Supersedes : 31 / 12 / 2012
STOP LEAK COOLING CIRCUIT BARD AHL		1099

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

1.1. Product identifier

Identification of the product : Additive.
 Multicomponent liquid.
Trade name : STOP LEAK COOLING CIRCUIT BARD AHL

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

See product bulletin for detailed information.

1.3. Details of the supplier of the safety data sheet

Producer/Manufacturer : SADAPS BARD AHL Additives & Lubricants
 ZI TOURNAI OUEST 2
 RUE DU MONT DES CARLIERS, 3
 7522 TOURNAI Belgique-Belgie
 TEL : +32 (0).69.59.03.60
 FAX : +32 (0).69.59.03.61
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Distributor : SADAPS BARD AHL CORPORATION
 BP 50050 MOUVAUX
 59589 BONDUES Cedex France
 TEL : +33 (0)3 10 38 38 38
 FAX : +33 (0)3 20 82 97 87
 MAIL : bardahl@bardahlfrance.com

1.4. Emergency telephone number

+32 (0)70.245.245
 +33 (0)1.45.42.59.59

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: Unregulated.

Text of R-Phrases : SECTION 16

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

: Not regulated.

Text of H-Phrases : SECTION 16

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Precautionary statements

- **General** : P102 - Keep out of reach of children.
- **Response** : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- **Disposal considerations** : P501 - Dispose of contents/container in accordance with local regulations.

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SAFETY DATA SHEET

Page : 2 / 6

Revised edition no : 4

Date : 15 / 1 / 2015

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STOP LEAK COOLING CIRCUIT BARD AHL

1099

SECTION 2 Hazards identification (continued)

2.3. Other hazards

None under normal conditions.

SECTION 3 Identification of the substance/mixture and of the company/undertaking

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Propan-2-ol	: < 5 %	67-63-0	200-661-7	603-117-00-0	01-2119457558-25-XXXX	F; R11 R67 Xi; R36 ----- Flam. Liq. 2 (H225) Eye irrit 2 (H319) STOT SE 3 (H336)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation : Assure fresh air breathing.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water.
- Ingestion : Seek medical attention if ill effect develops.

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

- Inhalation : Not expected to be an irritant.
- Skin contact : Not expected to be an irritant.
- Eye contact : Direct contact with the eyes is likely irritating.
- 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. Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

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	SAFETY DATA SHEET	Page : 3 / 6
		Revised edition no : 4
		Date : 15 / 1 / 2015
		Supersedes : 31 / 12 / 2012
STOP LEAK COOLING CIRCUIT BARD AHL		1099

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Keep public away from danger area. Equip cleanup crew with proper protection.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Clean up methods

- on soil : Clean up any spills as soon as possible, using an absorbent material to collect it.
- on water : Take up large spills with pump or vacuum.

6.4. Reference to other sections

No data available.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

General : When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off immediately all contaminated clothing.

Handling : No smoking. Do not breathe gas, fumes, vapour or spray. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in dry, cool, well-ventilated area. Keep in original containers.

Storage life : 5 years.

7.3. Specific end use(s)

No data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits :

- Propan-2-ol : TLV[©] -TWA [mg/m³] : 983
- Propan-2-ol : TLV[©] -STEL [mg/m³] : 1230
- Propan-2-ol : TLV[©] -TWA [ppm] : 400
- Propan-2-ol : MAC [mg/m³] : 980
- Propan-2-ol : TLV[©] -STEL [ppm] : 500
- Propan-2-ol : VME [ppm] : 250
- Propan-2-ol : VME [mg/m³] : 650
- Glycerol : TLV[©] -TWA [mg/m³] : 10
- Sodium hydroxide : TLV[©] -TWA [mg/m³] : 2

8.2. Exposure controls

Personal protection

- Eye protection : Avoid contact with eyes.
- Skin protection : Wear suitable protective clothing.
- Hand protection : In case of repeated or prolonged contact wear gloves.(EN374)



SAFETY DATA SHEET

Page : 4 / 6

Revised edition no : 4

Date : 15 / 1 / 2015

Supersedes : 31 / 12 / 2012

STOP LEAK COOLING CIRCUIT BARD AHL

1099

SECTION 8. Exposure controls/personal protection (continued)

- Respiratory protection : Where excessive vapour may result, wear approved mask.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Green.
Odour	: Characteristic.
• Odour threshold	: No data available.
• pH	: 8 - 9
• Melting point / Freezing point	: No data available.
• Initial boiling point - boiling range [°C]	: No data available.
Final boiling point [°C]	: No data available.
• Flash point [°C]	: Not applicable.
• Evaporation rate	: No data available.
• Flammability	: No data available.
• Explosion limits (lower - upper)	: No data available.
• Vapour pressure	: No data available.
• Vapour density	: No data available.
• Relative density	: No data available.
• Solubility	: Complete.
• Partition coefficient : n-octanol / water	: No data available.
• Auto-ignition temperature	: No data available.
• Thermal decomposition	: No data available.
• Viscosity	: No data available.
• Explosive Properties	: No data available.
• Oxidising properties	: No data available.

9.2. Other information

Other data : No data 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

Conditions to avoid : Open flame. Sparks. Heat.

10.5. Incompatible materials

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SAFETY DATA SHEET

Page : 5 / 6

Revised edition no : 4

Date : 15 / 1 / 2015

Supersedes : 31 / 12 / 2012

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1099

SECTION 10. Stability and reactivity (continued)

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : Hydrocarbon. Carbon monoxide. Carbon dioxide.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

SECTION 1

Refer to Summary of hazards

SECTION 12. Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14. Transport information

14.1. UN Number

Unregulated.

14.2. Proper shipping name

Unregulated.

14.3. Transport Hazard Classification

Unregulated.

14.4. Packing group

Unregulated.

14.5. Environmental hazards

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	SAFETY DATA SHEET	Page : 6 / 6
		Revised edition no : 4
		Date : 15 / 1 / 2015
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STOP LEAK COOLING CIRCUIT BARD AHL		1099

SECTION 14. Transport information (continued)

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

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

14.7. Bulk transport - annex II Marpol 73/78 - IBC

No data available.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

: Table RG 84: Diseases caused by organic solvents liquid for professional use. (FRANCE)

15.2. Chemical Safety Assessment

No data available.

SECTION 16. Other information

Text of H-Phrases : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Text of R-Phrases : R11 : Highly flammable.
R36 : Irritating to eyes.
R67 : Vapours may cause drowsiness and dizziness.

Recommended uses and restrictions : See product bulletin for detailed information.

Further information : Labelling : 739 109 R11
Safety data sheet available for professional user on request.

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The contents and format of this SDS are in accordance with Regulation (EC) N° 453/2010 of the European Parliament and of the Council.

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