	SAFETY DATA SHEET	Page : 1 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARDAHL		2092



2.1 : flammable gas.

Danger



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

1.1. Product identifier

Identification of the product : Aerosols dispensers.
 Trade name : SILICONE LUBRICANT BARDAHL

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 BARDAHL CORPORATION
 BP 50050 MOUVAUX
 59589 BONDUES Cedex France
 TEL : +33 (0)3 10 38 38 38
 FAX : +33 (0)3 51 08 90 51
 MAIL : industrie@bardahlfrance.com

Distributor : SADAPS BARDAHL CORPORATION
 BP 50050 MOUVAUX
 59589 BONDUES Cedex France
 TEL : +33 (0)3 10 38 38 38
 FAX : +33 (0)3 51 08 90 51
 MAIL : industrie@bardahlfrance.com

1.4. Emergency telephone number

+33 (0)1.45.42.59.59
 +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

: F+; R12
 R67
 Xi; R38
 N; R51/53

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 BP 50050 MOUVAUX 59589 BONDUES Cedex France
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 FAX : +33 (0)3 51 08 90 51
 MAIL : industrie@bardahlfrance.com

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	SAFETY DATA SHEET	Page : 2 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

SECTION 2 Hazards identification (continued)

Text of R-Phrases : : SECTION 16

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

- **Health hazards** : Skin irritation - Category 2 - Warning
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning (CLP : STOT SE 3)
- **Physical hazards** : Pressurised container: May burst if heated.
Flammable aerosols - Category 1 - Danger (CLP : Flam. Aerosol 1)
- **Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2)

Text of H-Phrases : : SECTION 16

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



- **Hazard pictograms code** : SGH02 - SGH07 - SGH09
- **Signal words** : Danger
- **Hazard statements** : H229 - Pressurised container: May burst if heated.
H222 - Extremely flammable aerosol.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
 - **General** : P102 - Keep out of reach of children.
 - **Prevention** : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 - Do not pierce or burn, even after use.
P260 - Do not breathe gas/spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
 - **Response** : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P391 - Collect spillage.
 - **Storage** : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P405 - Store locked up.
 - **Disposal considerations** : P501 - Dispose of contents/container in accordance with local regulations.
- **Contains** : Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics ;
- **Other** : Restricted to professional users.
Use as per instructions and specifically for this purpose.

2.3. Other hazards

None under normal conditions.

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SAFETY DATA SHEET

Page : 3 / 8

Revised edition no : 6

Date : 9 / 1 / 2015

Supersedes : 16 / 10 / 2012

SILICONE LUBRICANT BARD AHL

2092

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

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	> 40 %	----	927-510-4	----	01-2119475515-33-XXXX	F; R11 Xn; R65 R67 Xi; R38 N; R51-53 ----- Flam. Liq. 2 (H225) Asp. Tox 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
Butane	25 - 50 %	106-97-8	203-448-7	601-004-00-0	01-2119474691-32-XXXX	F+; R12 ----- Flam. Gas 1 (H220)
Propane	2.5 - 10 %	74-98-6	200-827-9	601-003-00-5	01-2119486944-21-XXXX	F+; R12 ----- Flam. Gas 1 (H220) Press. Gas (H280)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation : Assure fresh air breathing. If not breathing, give artificial respiration.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water.
- Ingestion : Not expected to be a primary route of exposure.

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

- Inhalation : May cause drowsiness or dizziness.
- Skin contact : Causes skin irritation.
- Eye contact : Direct contact with the eyes is likely irritating.
- Ingestion : Ingestion unlikely.

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. Water spray. Sand. Powder.
- 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 : 4 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General precautions : Remove ignition sources.
 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 : 3 years.

7.3. Specific end use(s)

No data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters


- Occupational Exposure Limits : Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics : VME [mg/m³] : 1600
 Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics : VME [ppm] : 395
 Butane : TLV[©] -TWA [ppm] : (MAK) 1000
 Butane : TLV[©] -TWA [ppm] : (ACGIH) 1000
 Butane : VME [ppm] : (France) 800
 Butane : VME [mg/m³] : (France) 1900
 Butane : VME [mg/m³] : (allemagne) 4(II) DFG 2400
 Butane : VME [mL/m³] : (allemagne) 4(II) DFG 1000
 Propane : TLV[©] -TWA [ppm] : (ACGIH) 1000
 Propane : TLV[©] -TWA [ppm] : (MAK) 1000
 Propane : TLV[©] -STEL [ppm] : (MAK) 4000
 Propane : VME [mg/m³] : (allemagne) 4(II) DFG 1800
 Propane : VME [mL/m³] : (allemagne) 4(II) DFG 1000

8.2. Exposure controls

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BP 50050 MOUVAUX 59589 BONDUES Cedex France
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	SAFETY DATA SHEET	Page : 5 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

SECTION 8. Exposure controls/personal protection (continued)

Personal protection

- Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed.(EN166).
- Skin protection : Wear suitable protective clothing.
- Hand protection : In case of repeated or prolonged contact wear gloves.(EN374)
- 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 : Colourless.
- Odour : Hydrocarbon.
- Odour threshold : No data available.
- pH : Not applicable.
- 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] : < 0
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : 0.6 - 7
- Vapour pressure : No data available.
- Vapour density : No data available.
- Relative density : 0.725 - 0.74
- Solubility : Insoluble.
- Partition coefficient : n-octanol / water : No data available.
- Auto-ignition temperature : > 200
- 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.

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In case of emergency : +33 (0)1.45.42.59.59

	SAFETY DATA SHEET	Page : 6 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

SECTION 10. Stability and reactivity (continued)

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

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

Toxic to aquatic life with long lasting effects.

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

UN No. : 1950

14.2. Proper shipping name

UN1950 AÉROSOLS, 2.1, 5F, (D)

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	SAFETY DATA SHEET	Page : 7 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

SECTION 14. Transport information (continued)

14.3. Transport Hazard Classification

19 - Labelling ADR



	: 2.1 : flammable gas.
ADR/RID	: Group : F Class : 2
H.I. nr	: --
- Proper shipping name	: UN1950 AÉROSOLS, 2.1, 5F, (D)
Land transport	
- ADR Class	: 2
- ADR Packing group	: F
Emergency action in case of accident	: No naked lights. No smoking. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.
Sea transport	
- IMO-IMDG code	: Class 2
IMO Packing group	: F
- IMDG-Marine pollution	: Yes
- EMS-Nr	: F-D S-U
Air transport	
- ICAO/IATA	: Packaging instructions cargo : 203 Packaging instructions passenger: 203
- Proper shipping name	: AEROSOLS, flammable
- IATA - Class or division	: 2
IATA Packing group	: F

14.4. Packing group

F

14.5. Environmental hazards

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


Personal precautions : The driver shall not attempt to deal with any fire of the load.

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.

Further information

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

No data available.

	SAFETY DATA SHEET	Page : 8 / 8
		Revised edition no : 6
		Date : 9 / 1 / 2015
		Supersedes : 16 / 10 / 2012
SILICONE LUBRICANT BARD AHL		2092

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)

Other

15.2. Chemical Safety Assessment

No data available.

SECTION 16. Other information

Text of H-Phrases :	: H220 - Extremely flammable gas. H225 - Highly flammable liquid and vapour. H280 - Contains gas under pressure; may explode if heated. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.
Text of R-Phrases :	: R11 : Highly flammable. R12 : Extremely flammable. R38 : Irritating to skin. R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 : Harmful : may cause lung damage if swallowed. R67 : Vapours may cause drowsiness and dizziness.
Recommended uses and restrictions	: See product bulletin for detailed information.
Further information	: NSF : H1 REGISTRATION N°127 180 Label : 732 209 R14 Revision - See : * Safety data sheet available for professional user on request.
Print date	: 9 / 1 / 2015

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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SADAPS BARD AHL CORPORATION

BP 50050 MOUVAUX 59589 BONDUES Cedex France
 TEL : +33 (0)3 10 38 38 38
 FAX : +33 (0)3 51 08 90 51
 MAIL : industrie@bardahlfrance.com

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