



Foamy Lube Spray

Bardahl Foamy Lube Spray is scientifically formulated, long lasting, extreme pressure lubrication which operates under the most severe pressure and abrasive conditions. This product is developed as industrial Chain Lubricant but is also suitable for a numerous of other applications. It contains Bardahl's famous "Polar attraction" formula to reduce friction.

Properties

- Penetrates in accessible areas
- Repels and protects against water, moisture, salt, alkalis acids, dirt, dust, sand, etc.
- Developed for lubrication of parts subject to high pressure, shocks and vibrations.
- Protects moving parts and prevents squeaks

The problem

Many chains are open to the air, this increases their contact with water and dampness and encourages corrosion. It also means more chance of fouling with dust, sand, road grime and the like. Corrosion and dirt hinder chain movement and lead to excess wear.

In addition, some chains – conveyor and drive chains – have intricate links with tight, hard-to-reach spaces. Regular lubricants don't penetrate these spaces easily and eventually tend to squeeze out.

The action

Bardahl Foamy Lube Spray contains a penetrating property, Bardahl's "Polar attraction" formula, an anti-oxidant, and a combination of high-grade oil and unique polymer for cushion lubrication. This product is safe for o-rings.

- The penetrating property has low surface tension that lets it flow into tight spaces; capillary action actually draws it into areas between link side plates.
- Bardahl's polar attraction formula is compounded of extreme pressure agents that bond to metal, forming a high-strength molecular film. It smoothes metal surfaces, reducing friction and wear.
- Friction protection is enhanced by the high-grade oil and polymer; once applied, won't fling off.
- The anti-oxidant works chemically to prevent oxidation, the cause of rust and other corrosion.
- The foaming agents allows for even application and prevents annoying overspray.



Product information

After penetrating, **Bardahl Foamy Lube** clings, leaving a lasting coating that cuts friction, protects against corrosion and grime, and repels moisture.

Ensures that the surface to spray is cleaned firstly. **Bardahl Multi Parts Cleaner** is very arranged for cleaning this.

Article number	72504
Contents	400 ml



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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 11/22/2018 Revision date: 11/22/2018 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Name : Foamy Lube Spray
Article number : 72504

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Consumer use
Professional use.
Industrial use
Function or use category : Lubricants and additives

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
rjionker@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	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
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)

Aerosol, Category 1 H222;H229

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

The product has to be labeled due to the calculation procedure of the General Classification guideline for preparations of the EU", DIR".
Pressurized container.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

Scandinavian countries regulation

Denmark

MAL code

: 1-1

2.3. Other hazards

No additional information available

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]
Butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (REACH-no) 01-2119474691-32	10 - 25	Flam. Gas 1, H220 Press. Gas (Comp.), H280
propane (Note U)	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (REACH-no) 01-2119486944-21	2.5 - 10	Flam. Gas 1, H220 Press. Gas
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cycloalkanes, aromatics, <2%	(EC-No.) 926-141-6 (REACH-no) 01-2119456620-43	2.5 - 10	Asp. Tox. 1, H304

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact : No irritant effect.
First-aid measures after eye contact : Ensure adequate flushing of eyes by separating eyelids with the fingers.
First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice and attention.

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

No additional information available

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. Powder. Carbon dioxide. Alcohol resistant foam.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

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5.3. Advice for firefighters

Protection during firefighting : Wear suitable respiratory equipment.

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 : Wear proper protective equipment.

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 : Ventilate area. Do not use water for cleaning.

6.4. Reference to other sections

See Headings 7 and 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Good ventilation of the workplace required. Handle and open container with care. Do not spray on an open flame or other ignition source. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Container under pressure. Do not drill or burn even after use. Do not expose to temperatures exceeding 50 °C/ 122 °F.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool place. Government regulations on storing packagings with pressurized containers must be observed. Keep container tightly closed.

Incompatible materials : Direct sunlight. heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butane (106-97-8)

Netherlands	Grenswaarde TGG 8H (mg/m ³)	1900 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	800 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	3800 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (ppm)	1000 ppm

propane (74-98-6)

EU	IOELV TWA (ppm)	1000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	1800 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	1000 ppm
Netherlands	Suffocating.	

8.2. Exposure controls

Personal protective equipment:

Gloves. Protective goggles.

Hand protection:

Use solvent-resistant gloves. Selection of the glove material on consideration of the penetration times, permeability and degradation. Refer to manufacturer's information.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	5 (> 240 minutes)	> 0.5		EN 374

Eye protection:

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

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Skin and body protection:

Wear suitable protective clothing. EN 13034

Respiratory protection:

Combined gas/dust mask with filter type AX/P2. In the event of insufficient ventilation: Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

Personal protective equipment symbol(s):



Other information:

Remove contaminated clothing immediately. Keep away from food, drink and animal feedingstuffs. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe gas, fumes, vapour or spray. Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: According to product specification.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -44.5 °C
Flash point	: -97 °C
Auto-ignition temperature	: 236 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 2100 hPa (20°C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.78 g/cm ³ (20°C)
Solubility	: Practically not miscible. Organic solvent:28.0%
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. Explosive vapour/air mixtures may be formed.
Oxidising properties	: No data available
Explosive limits	: 0.7 - 10.9 vol %

9.2. Other information

VOC content	: 217.6 g/l 28.00%
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

No hazardous decomposition products 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

Butane (106-97-8)

LC50 inhalation rat (mg/l)	658 mg/l/4h
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propane (74-98-6)

LC50 inhalation rat (mg/l)	20 mg/l/4h
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Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cycloalkanes, aromatics, <2%

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5000 mg/m ³

Skin corrosion/irritation	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Based on available data, the classification criteria are not met
Carcinogenicity	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Based on available data, the classification criteria are not met
STOT-single exposure	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Based on available data, the classification criteria are not met
Aspiration hazard	: Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

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

Butane (106-97-8)

LC50 fish 1	680 mg/l (96h)
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Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cycloalkanes, aromatics, <2%

EC50 Daphnia 1	1000 mg/l
EC50 72h algae (1)	1000 mg/l (Pseudokirchneriella subcapitata)
EC50 96h algae (1)	1000 mg/l (Oncorhynchus mykiss)

12.2. Persistence and degradability

Butane (106-97-8)

Persistence and degradability	Readily biodegradable.
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propane (74-98-6)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

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Ecology - soil	Prevent entry to sewers and public waters.
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Butane (106-97-8)

Ecology - soil

If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

propane (74-98-6)

Ecology - soil

If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Prevent entry to sewers and public waters.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1950	1950	1950	Not applicable	Not applicable
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	Not applicable	Not applicable
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	Not applicable	Not applicable
14.3. Transport hazard class(es)				
2.1	2.1	2.1	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				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP02
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12

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Special provisions for carriage - Operation (ADR) : S2

Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959

Limited quantities (IMDG) : SP277

Excepted quantities (IMDG) : E0

Packing instructions (IMDG) : P207, LP02

Special packing provisions (IMDG) : PP87, L2

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Stowage category (IMDG) : None

Air transport

PCA Excepted quantities (IATA) : E0

PCA Limited quantities (IATA) : Y203

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 203

PCA max net quantity (IATA) : 75kg

CAO packing instructions (IATA) : 203

CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167

ERG code (IATA) : 10L

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

VOC content : 217.6 g/l 28.00%

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to waters (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Water hazard class: : 11 - Weinig schadelijk voor in het water levende organismen

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

Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

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Classification remarks : F+ <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

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

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1	Flammable gases, Category 1
Press. Gas	Gases under pressure
Press. Gas (Comp.)	Gases under pressure : Compressed gas
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.

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