



Super Spray >1ltr

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 9/14/2016 Revision date: 9/14/2016 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Article number : 68200
Product code : 682

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

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 - 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	
Greece	Poisons Information Centre Children's Hospital "Aglaiia. Kyriakou"	11527 Athens	+30 10 779 3777	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Reproductive toxicity, Additional category, Effects on or via lactation H362
Hazardous to the aquatic environment H400
— Acute Hazard, Category 1
Hazardous to the aquatic environment H410
— Chronic Hazard, Category 1
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Specific target organ toxicity — Single exposure, Category 3, Narcosis. Flammable liquids, Category 4.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) : Warning

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Hazardous ingredients	: alkanes, C14-17, chloro, chlorinated paraffins, C14-17
Hazard statements (CLP)	: H362 - May cause harm to breast-fed children H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	: P201 - Obtain special instructions before use P260 - Do not breathe dust, fume, gas, mist, spray, vapours P263 - Avoid contact during pregnancy/while nursing P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P273 - Avoid release to the environment P308+P313 - IF exposed or concerned: Get medical advice/attention P391 - Collect spillage P501 - Dispose of contents/container in accordance with local regulations
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

PBT: not relevant – no registration required

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]
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cycloalkanes, aromatics, <2%	(EC no) 926-141-6 (REACH-no) 01-2119456620-43	50	Asp. Tox. 1, H304
alkanes, C14-17, chloro, chlorinated paraffins, C14-17	(CAS No) 85535-85-9 (EC no) 287-477-0 (REACH-no) 01-2119519269-33	25 - 50	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C9, aromatics	(EC no) 918-668-5 (REACH-no) 01-2119455851-35	5 - 10	STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In any case of doubt or if symptoms can be observed, get medical attention.
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest. Keep the victim warm. Obtain emergency medical attention.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water. Remove contaminated clothing immediately. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Get medical advice/attention if you feel unwell.
First-aid measures after ingestion	: No special measures required.

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

Symptoms/injuries	: Vapours may cause drowsiness and dizziness. Sensitisation : contact can provoke allergic reactions in humans.
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4.3. Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Powder. Water haze.
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	: Carbon monoxide. Carbon dioxide. Nitrogen oxides.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
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Protection during firefighting	: Do not breathe gas, fumes, vapour or spray.
Other information	: Toxic to aquatic organisms. May cause long lasting harmful effects to aquatic life. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : May be dangerously slippery if spilled. Do not breathe gas, fumes, vapour or spray. Ventilate area. Keep public away from danger area. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Full face piece respirator. Positive pressure self-contained breathing apparatus (SCBA) and structural fire-fighters protective clothing. Protective gloves. Use splash goggles when eye contact due to splashing is possible. Wear proper protective equipment.

6.2. Environmental precautions

Ensure that all waste water is collected and shall be treated at a treatment. Notify authorities if product enters sewers or public waters. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Consult an expert. Stop leak without risks if possible. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

See Headings 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Good ventilation of the workplace required. Notify authorities if liquid enters sewers or public waters. Avoid bunching of electrostatic charges. Earth the equipment.

Precautions for safe handling : Wear suitable respiratory equipment. Avoid contact with skin. Avoid spilling the product, as this might cause falls.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Use special care to avoid static electric charges. Opened containers must be carefully closed and kept upright to avoid leakage. Store in a dry, cool and well-ventilated place. Containers must be properly grounded before beginning transfer. Earth the equipment used to transfer the product.

Incompatible products : Oxidizer. acids. Bases.

Incompatible materials : Moisture.

Special rules on packaging : Do not use : Natural rubber. Butyl rubber. Ethylene-Propylene rubber (EPDM) /. Polystyrene.

Packaging materials : Drums. Carbon steel. stainless steel. Polyethylene. polypropylene. Teflon. Polyester.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection:

Wear suitable gloves resistant to chemical penetration. Fluorocarbon rubber (Viton)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Neoprene rubber (HNBR) , Butyl rubber	6 (> 480 minutes)			

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

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Skin and body protection:

Safety Overall

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Filter types: A, B, E, K. Class 1: Maximum concentration of pollutants in the ambient air = 1000 ml/m³ (0.1 vol -%), Class 2 = 5000 ml/m³ (0.5 vol -%), Class 3 = 10000 mL/m³ (1.0 vol -%)

Environmental exposure controls:

Dispose in a safe manner in accordance with local/national regulations.

Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 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	: light brown.
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	: 180 - 270 °C (ASTM D86)
Flash point	: > 70 °C (ASTM D-93)
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	: 0.9 g/cm ³ (20°C)
Solubility	: Negligible.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Sparks. Open flame. Sources of ignition.

10.5. Incompatible materials

Strong acids. Caustic products. Oxidizer.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008. Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC. The evaluation was performed according to the calculation of the preparations directive

alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
LD50 oral rat	> 2 mg/kg
LD50 dermal rat	> 2 mg/kg
LC50 inhalation rat (mg/l)	3.3 mg/kg

Hydrocarbons, C9, aromatics	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Prolonged or repeated contact may cause skin to become dry or cracked. Repeated or prolonged skin contact may cause dermatitis and defatting

Serious eye damage/irritation : May cause irritation to the eyes

Respiratory or skin sensitisation : Vapours may cause drowsiness and dizziness

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : May cause harm to breast-fed children.

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

alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
LC50 fish 1	> 5000 mg/l (96h)
EC50 Daphnia 1	0.006 mg/l (48h)
EC50 other aquatic organisms 1	> 3.2 mg/l (96h) (Algae)

Hydrocarbons, C9, aromatics	
LC50 fish 1	9.2 mg/l (Oncorhynchus mykiss 96h)
EC50 Daphnia 1	1 - 10 mg/l
EC50 Daphnia 2	3.2 mg/l
ErC50 (algae)	2.9 mg/l (Pseudokirchneriella subcapitata 72h)
NOEC (acute)	1 mg/l (Pseudokirchneriella subcapitata 72h)

12.2. Persistence and degradability

Hydrocarbons, C9, aromatics	
Biodegradation	78 % (672h)

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

68200
PBT: not relevant – no registration required

12.6. Other adverse effects

Additional information : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The evaluation was performed according to the calculation of the preparations directive

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Recycle after cleaning. To be disposed of as hazardous waste.






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SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	3082	3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; alkanes, C14-17, chloro, chlorinated paraffins, C14-17), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro, chlorinated paraffins, C14-17), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : M6
 Special provisions (ADR) : 274, 335, 601, 375
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Special packing provisions (ADR) : PP1
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4
 Portable tank and bulk container special provisions (ADR) : TP1, TP29
 Tank code (ADR) : LGBV
 Vehicle for tank carriage : AT
 Transport category (ADR) : 3
 Special provisions for carriage - Packages (ADR) : V12
 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
 Hazard identification number (Kemler No.) : 90
 Orange plates :



Tunnel restriction code (ADR) : E
 EAC code : •3Z

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- Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

- Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 61
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

- Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

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

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Contains no REACH substances with Annex XVII restrictions
 Contains no substance on the REACH candidate list
 Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (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 : alkanes, C14-17, chloro, chlorinated paraffins, C14-17 is listed
 SZW-lijst van mutagene stoffen : alkanes, C14-17, chloro, chlorinated paraffins, C14-17 is listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : alkanes, C14-17, chloro, chlorinated paraffins, C14-17 is 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

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
 Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with 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:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H304	May be fatal if swallowed and enters airways
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H362	May cause harm to breast-fed children
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking

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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