

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026

Version number 48 (replaces version 47)

Revision: 16.07.2026

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

- **1.1 Product identifier**
- **Trade name:** BIS SPRAY ADHESIVE AE 500ML*12 L399
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Bison International
Dr.A.F.Philipsstraat 9
NL-4462 EW Goes
PO Box 160
NL-4460 AD Goes
tel. +31 88 3235700
fax. +31 88 3235800
e mail: sds@boltonadhesives.com
- **Further information obtainable from:** PSRA
- **1.4 Emergency telephone number:**
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222 Extremely flammable aerosol.
	H229 Pressurised container: May burst if heated.
Skin Irrit. 2	H315 Causes skin irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Classification needs to be in accordance with the NZ Hazardous Substances (Hazard Classification) Notice 2020**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**





GHS02
GHS07
GHS09
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

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· Hazard statements

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

- 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.
- P261 Avoid breathing spray.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with national regulations.

· Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

· Determination of endocrine-disrupting properties

128-37-0 Butylated hydroxytoluene

List II

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Description:** Adhesive

· Dangerous components:

CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25-50%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-XXXX	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%

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EC number: 926-605-8 Reg.nr.: 01-2119486291-36-XXXX	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336, EUH066	2.5-10%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34-XXXX	Hydrocarbons, C6, isoalkanes, <5% n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	≥2.5-<10%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35-XXXX	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	≥2.5-<10%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41-XXXX	cyclohexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	≥2.5-<10%
CAS: 108-87-2 EINECS: 203-624-3 Index number: 601-018-00-7 Reg.nr.: 01-2119556887-18-XXXX	Methylcyclohexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	≥1-<2.5%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 Reg.nr.: 01-2119480412-44-XXXX	n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<0.25%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119555270-46-XXXX 01-2119565113-46-XXXX	Butylated hydroxytoluene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.025-<0.25%

SVHC

110-54-3 n-hexane

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

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- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 2 B

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· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether

OEL (Ireland)	Long-term value: 1920 mg/m ³ , 1000 ppm
	IOELV

IOELV (EU)	Long-term value: 1920 mg/m ³ , 1000 ppm
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110-82-7 cyclohexane

OEL (Ireland)	Long-term value: 700 mg/m ³ , 200 ppm
	IOELV

IOELV (EU)	Long-term value: 700 mg/m ³ , 200 ppm
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108-87-2 Methylcyclohexane

OEL (Ireland)	Long-term value: 1600 mg/m ³ , 400 ppm
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110-54-3 n-hexane

OEL (Ireland)	Long-term value: 72 mg/m ³ , 20 ppm
	IOELV, Skin

IOELV (EU)	Long-term value: 72 mg/m ³ , 20 ppm
------------	--

128-37-0 Butylated hydroxytoluene

OEL (Ireland)	Long-term value: 2 mg/m ³
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· DNELs

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Oral	Consumer, oral, longterm exposition	149 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	300 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	149 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, longterm exposition	2085 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	477 mg/m ³ (rat)

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Oral	Consumer, oral, longterm exposition	1301 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	13964 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	1377 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, longterm exposition	5306 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	1131 mg/m ³ (rat)

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Oral	Consumer, oral, longterm exposition	1301 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	13964 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	1377 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, longterm exposition	5306 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	1131 mg/m ³ (rat)

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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	Consumer, oral, longterm exposition	699 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	773 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	699 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, longterm exposition	2035 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	608 mg/m ³ (rat)

110-82-7 cyclohexane

Oral	Consumer, oral, longterm exposition	59.4 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	2016 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	1186 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, shortterm exposition	700 mg/m ³ (rat)
	Worker, inhalative, longterm exposition	700 mg/m ³ (rat)
	Consumer DNEL, acute inhalation	412 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	206 mg/m ³ (rat)

108-87-2 Methylcyclohexane

Oral	Consumer, oral, longterm exposition	0.4 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1.7 mg/kg bw/day
	Consumer, dermal, longterm exposition	0.8 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	1354.6 mg/m ³
	Worker, inhalative, longterm exposition	64.3 mg/m ³
	Consumer DNEL, acute inhalation	1016 mg/m ³
	Consumer, inhalative, longterm exposition	16 mg/m ³

128-37-0 Butylated hydroxytoluene

Oral	Consumer, oral, longterm exposition	0.25 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	0.5 mg/kg bw/day
	Consumer, dermal, longterm exposition	0.25 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	1.76 mg/m ³
	Consumer, inhalative, longterm exposition	0.435 mg/m ³

PNECs

110-82-7 cyclohexane

Fresh water	0.207 mg/l (rat)
Fresh water sediment	3.627 mg/kg dry weight (rat)
Marine water	0.207 mg/l (rat)
Marine sediment	3.627 mg/kg dry weight (rat)
Soil	2.99 mg/kg (rat)
Sewage treatment plant	3.24 mg/l (rat)
Sporadic release	0.207 mg/l

108-87-2 Methylcyclohexane

Fresh water	0.00134 mg/l
Fresh water sediment	0.0362 mg/kg dry weight

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Marine water	0.000134 mg/l
Marine sediment	0.00362 mg/kg dry weight
Soil	0.0097 mg/kg
Sewage treatment plant	0.273 mg/l
128-37-0 Butylated hydroxytoluene	
Fresh water	0.000199 mg/l
Fresh water sediment	0.45819 mg/kg dry weight
Marine water	0.0000199 mg/l
Marine sediment	0.04582 mg/kg dry weight
Soil	0.0539 mg/kg
Sewage treatment plant	0.017 mg/l

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

· **Recommended filter device for short term use:** Filter A

· **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Recommended thickness of the material: > 0,12 mm

Nitrile rubber, NBR

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).

· **Eye/face protection** Not required

· **Body protection:** Use protective suit.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Aerosol
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	-24.9 °C (115-10-6 dimethyl ether)
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	0.7 Vol %
Upper:	18.6 Vol %
Flash point:	-42 °C (115-10-6 dimethyl ether)
Auto-ignition temperature:	235 °C (115-10-6 dimethyl ether)
Decomposition temperature:	Not determined
pH	Mixture is a gas.
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	Not determined
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	5200 hPa (115-10-6 dimethyl ether)
Density and/or relative density	
Density at 20 °C:	0.75 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

	All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.
Appearance:	
Form:	Aerosol
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content:	
Organic solvents:	86.1 %
VOC (EC)	86.11 %
Solids content:	13.5 %

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· Change in condition	
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:
115-10-6 dimethyl ether
Inhalative LC50/4 h 308 mg/l (rat)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Oral LD50 >5840 mg/kg (rat)

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Dermal	LD50	>2920 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 mg/l (rat)
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane		
Oral	LD50	>3350 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>20 mg/l (rat)
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rat)
Inhalative	LC50/4 h	>20 mg/l (rat)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>20 mg/l (rat)
110-82-7 cyclohexane		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	32.88 mg/l (rat)
108-87-2 Methylcyclohexane		
Oral	LD50	4000-4500 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
110-54-3 n-hexane		
Oral	LD50	16000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	172 mg/l (rat)
128-37-0 Butylated hydroxytoluene		
Oral	LD50	>2930 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **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**
Not applicable
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** May cause drowsiness or dizziness.
- **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.
- **Additional toxicological information:**
- **Acute effects (acute toxicity, irritation and corrosivity)** Not applicable

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- **Sensitisation** Not applicable
- **Repeated dose toxicity** Not applicable
- **11.2 Information on other hazards**

· Endocrine disrupting properties

128-37-0 Butylated hydroxytoluene

List II

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR/ADN, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR/ADN** 1950 AEROSOLS

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· **IMDG**
· **IATA**

AEROSOLS, MARINE POLLUTANT
AEROSOLS, flammable

· **14.3 Transport hazard class(es)**

· **ADR/ADN**



· **Class**
· **Label**

2 5F Gases.
2.1

· **IMDG**



· **Class**
· **Label**

2.1 Gases.
2.1

· **IATA**



· **Class**
· **Label**

2.1 Gases.
2.1

· **14.4 Packing group**

· **ADR/ADN, IMDG, IATA**

not regulated

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light

· **Marine pollutant:**

Yes
Symbol (fish and tree)

· **Special marking (ADR/ADN):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Gases.

· **Hazard identification number (Kemler code):** -

· **EMS Number:**

F-D,S-U

· **Stowage Code**

SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

· **Segregation Code**

SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

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	For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information: · Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· ADR/ADN · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	U N 1 9 5 0 A E R O S O L S , 2 . 1 , ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
P3a FLAMMABLE AEROSOLS
E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 57

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

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· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:**· Other regulations, limitations and prohibitive regulations****· Substances of very high concern (SVHC) according to REACH, Article 57**

110-54-3 n-hexane

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant 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.
H361f Suspected of damaging fertility.
H372 Causes damage to organs through prolonged or repeated exposure.
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.

· Classification according to Regulation (EC) No 1272/2008

Aerosols, Section 2.3.1

Bridging principles

Skin corrosion/irritation
Specific target organ toxicity (single exposure)
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Department issuing SDS: PSRA**· Contact:** PSRA**· Date of previous version:** 16.06.2021**· Version number of previous version:** 47**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (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 Harmonised 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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- *** Data compared to the previous version altered.**

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