Safety data sheet

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

1.1. Product identifier

SORSEC SUPER FLY SPRAY

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

Relevant identified uses: biocide, insecticide

1.3. Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY

Contact address:
BASF plc
PO Box 4, Earl Road, Cheadle Hulme,
Cheadle, Cheshire
SK8 6QG, UNITED KINGDOM

Telephone: +44 161 485-6222
E-mail address: product-safety-north@basf.com

1.4. Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Flam. Aerosol 1
Aquatic Acute 1
Aquatic Chronic 1

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
Extremely flammable.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:

Signal Word:
Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary Statement:

P102	Keep out of reach of children.

Precautionary Statements (Prevention):

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements (Response):

P391	Collect spillage.

Precautionary Statements (Storage):

P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: TETRAMETHRIN, Phenothrin, Petroleum gases, liquefied; Petroleum gas

According to Directive 67/548/EEC or 1999/45/EC

Classification/labelling in accordance with UK regulations.

Hazard symbol(s)

F+	Extremely flammable.	
N	Dangerous for the environment.	

R-phrase(s)

R12	Extremely flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S2	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23.1	Do not breathe spray.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S57	Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: TETRAMETHRIN, Phenothrin, Petroleum gases, liquefied; Petroleum gas

Container is under pressure. Protect from sun and temperatures above 50 °C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Biocidal product, insecticide

Hazardous ingredients (GHS)
according to Regulation (EC) No. 1272/2008

Tetramethrin

Content (W/W): 0.25 %	Acute Tox. 4 (Inhalation - dust)
CAS Number: 7696-12-0	Aquatic Acute 1
EC-Number: 231-711-6	Aquatic Chronic 1
	H332, H400, H410

3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate

Content (W/W): 0.1 %	Aquatic Acute 1
CAS Number: 188023-86-1	Aquatic Chronic 1
	H400, H410

Petroleum gases, liquefied; Petroleum gas

Content (W/W): < 70 %	Flam. Gas 1
CAS Number: 68476-85-7	Press. Gas Liquef. Gas
EC-Number: 270-704-2	H280, H220
INDEX-Number: 649-202-00-6	

Distillates (petroleum), hydrotreated light; Kerosine - unspecified

Content (W/W): < 50 %	Asp. Tox. 1
CAS Number: 64742-47-8	Aquatic Chronic 2
EC-Number: 265-149-8	H304, H411
REACH registration number: 01-2119456620-43	
INDEX-Number: 649-422-00-2	

acetone; propan-2-one; propanone

Content (W/W): < 3.5 %	Flam. Liq. 2
CAS Number: 67-64-1	Eye Dam./Irrit. 2
EC-Number: 200-662-2	STOT SE 3 (drowsiness and dizziness)
REACH registration number: 01-2119471330-49	H225, H319, H336
INDEX-Number: 606-001-00-8	

2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether

Content (W/W): < 2.5 %	Aquatic Chronic 1
CAS Number: 51-03-6	Aquatic Acute 1
EC-Number: 200-076-7	H400, H410

Hazardous ingredients
according to Directive 1999/45/EC

Tetramethrin

Content (W/W): 0.25 %
CAS Number: 7696-12-0
EC-Number: 231-711-6
Hazard symbol(s): Xn, N
R-phrase(s): 20, 50/53

3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate

Content (W/W): 0.1 %
CAS Number: 188023-86-1
Hazard symbol(s): N
R-phrase(s): 50/53

Petroleum gases, liquefied; Petroleum gas

Content (W/W): < 70 %
CAS Number: 68476-85-7
EC-Number: 270-704-2
INDEX-Number: 649-202-00-6
Hazard symbol(s): F+
R-phrase(s): 12

Distillates (petroleum), hydrotreated light; Kerosine - unspecified

Content (W/W): < 50 %
CAS Number: 64742-47-8
EC-Number: 265-149-8
REACH registration number: 01-2119456620-43
INDEX-Number: 649-422-00-2
Hazard symbol(s): Xn, N
R-phrase(s): 65, 51/53

acetone; propan-2-one; propanone
Content (W/W): < 3.5 %
CAS Number: 67-64-1
EC-Number: 200-662-2
REACH registration number: 01-2119471330-49
INDEX-Number: 606-001-00-8
Hazard symbol(s): F, Xi
R-phrase(s): 11, 36, 66, 67

2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether
Content (W/W): < 2.5 %
CAS Number: 51-03-6
EC-Number: 200-076-7
Hazard symbol(s): N
R-phrase(s): 50/53

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms: No significant reaction of the human body to the product known.

4.3. Indication of any immediate medical attention and special treatment needed
Treatment: Symptomatic treatment (decontamination, vital functions).

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media
Suitable extinguishing media:
water spray, foam, dry powder, carbon dioxide

5.2. Special hazards arising from the substance or mixture
carbon monoxide, Carbon dioxide, nitrogen oxides, acid halides
The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for fire-fighters
Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

6.2. Environmental precautions
Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

6.3. Methods and material for containment and cleaning up
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

6.4. Reference to other sections
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling
No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:
Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.
Further information on storage conditions: Protect from direct sunlight. Keep at temperature not exceeding 50°C. Keep out of the reach of children. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from temperatures above: 50 °C
The packed product must be protected against exceeding the indicated temperature.

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

67-64-1: acetone; propan-2-one; propanone
TWA value 1,210 mg/m3 ; 500 ppm (OEL (EU))
indicative
TWA value 1,210 mg/m3 ; 500 ppm (WEL/EH 40 (UK))
STEL value 3,620 mg/m3 ; 1,500 ppm (WEL/EH 40 (UK))
68476-85-7: Petroleum gases, liquefied; Petroleum gas
TWA value 1,750 mg/m3 ; 1,000 ppm (WEL/EH 40 (UK))
STEL value 2,180 mg/m3 ; 1,250 ppm (WEL/EH 40 (UK))

Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits (United Kingdom). For normal use and handling refer to the product label/leaflet. In all other cases the following apply.

8.2. Exposure controls

Personal protective equipment

Respiratory protection:
Respiratory protection not required.

Hand protection:
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Required when there is a risk of eye contact., Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures
Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	aerosol
Colour:	No data available.
Odour:	characteristic
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	not soluble, The statements are based on the properties of the individual components.
Melting point:	The product has not been tested.
Boiling range:	-40 - -0.5 °C Information based on the main components.
Flash point:	-60 °C Information based on the main components.
Evaporation rate:	not applicable
Flammability of Aerosol Products:	extremely flammable
Lower explosion limit:	approx. 1.9 %(V) The product has not been tested. The statement has been derived from the properties of the individual components.
Upper explosion limit:	approx. 10 %(V) The product has not been tested. The statement has been derived from the properties of the individual components.
Ignition temperature:	approx. 365 - 470 °C Information applies to the solvent.

Vapour pressure:	approx. 5900 - 17600 hPa (45 °C) Information based on the main components.
Density:	approx. 0.5 - 0.58 g/cm3 (20 °C) Information based on the main components., compressed liquefied gas
Relative vapour density (air):	not applicable
Solubility in water:	immiscible

Information on: Tetramethrin
Partitioning coefficient n-octanol/water (log Kow): 4.6
(25 °C)

Thermal decomposition:	not determined
Viscosity, dynamic:	not determined
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.

9.2. Other information

Other Information:
If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10: Stability and Reactivity

10.1. Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability
The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to avoid
See MSDS section 7 - Handling and storage.

10.5. Incompatible materials

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

Information on: Tetramethrin
Experimental/calculated data:
LC50 rat (by inhalation): > 2.73 mg/l 4 h

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Experimental/calculated data:
LC50 rat (by inhalation): > 2.1 mg/l 4 h

Information on: Tetramethrin
Experimental/calculated data:
LD50 rat (dermal): > 5,000 mg/kg

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Experimental/calculated data:
LD50 (dermal): > 5,000 mg/kg

Irritation

Assessment of irritating effects:
Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Assessment of irritating effects:
Not irritating to eyes and skin.

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Experimental/calculated data:
Serious eye damage/irritation rabbit: non-irritant

Respiratory/Skin sensitization

Assessment of sensitization:
The product has not been tested. The statement has been derived from the properties of the individual components. There is no evidence of a skin-sensitizing potential.

Information on: Tetramethrin
Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies.

Information on: Tetramethrin
Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Experimental/calculated data:
Guinea pig maximization test guinea pig: Non-sensitizing. *(OECD Guideline 406)*

Germ cell mutagenicity

Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Assessment of carcinogenicity:
The US EPA has classified this substance with the rating of 'C', possible human carcinogen.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: acetone; propan-2-one; propanone
Assessment of reproduction toxicity:
As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.

Developmental toxicity

Assessment of teratogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: acetone; propan-2-one; propanone
Assessment of repeated dose toxicity:
The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether
Assessment of repeated dose toxicity:
The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. Repeated dermal uptake of the substance did not cause substance-related effects.

Other relevant toxicity information

Misuse can be harmful to health.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:
Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Toxicity to fish:
LC50 (96 h) 0.0037 mg/l, Oncorhynchus mykiss

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Toxicity to fish:
LC50 (96 h) 0.0027 mg/l, Oncorhynchus mykiss

Information on: Tetramethrin
Aquatic invertebrates:
EC50 (48 h) 0.11 mg/l, Daphnia magna

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Aquatic invertebrates:
(96 h) > 300 mg/l, Daphnia magna

Information on: Tetramethrin
Aquatic plants:
EC50 (72 h) 0.94 mg/l, algae

Assessment of terrestrial toxicity:
Hazardous to birds and mammals.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Assessment biodegradation and elimination (H2O):
The product is biodegradable.

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Bioaccumulation potential:
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is possible.

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Bioaccumulation potential:
Bioconcentration factor: 1,083

12.4. Mobility in soil

Assessment transport between environmental compartments:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Tetramethrin
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Information on: 3-phenoxybenzyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

12.5. Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7. Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).
This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.
Emptied gas pressure vessels must not be opened.

SECTION 14: Transport Information

Land transport

ADR

UN number	UN1950
UN proper shipping name:	AEROSOLS (contains PETROLEUM GASES, LIQUEFIED, TETRAMETHRIN)
Transport hazard class(es):	2.1, EHSM
Packing group:	Not applicable
Environmental hazards:	yes
Special precautions for user:	Tunnel code: D

RID

UN number	UN1950
UN proper shipping name:	AEROSOLS (contains PETROLEUM GASES, LIQUEFIED, TETRAMETHRIN)
Transport hazard class(es):	2.1, EHSM
Packing group:	Not applicable
Environmental hazards:	yes
Special precautions for user:	None known

Inland waterway transport
ADN

UN number	UN1950
UN proper shipping name:	AEROSOLS (contains PETROLEUM GASES, LIQUEFIED, TETRAMETHRIN)

Transport hazard class(es):	2.1, EHSM
Packing group:	Not applicable
Environmental hazards:	yes
Special precautions for user:	None known
Transport in inland waterway vessel:	Not evaluated

Sea transport

IMDG

UN number:	UN 1950
UN proper shipping name:	AEROSOLS (contains PETROLEUM GASES, LIQUEFIED, TETRAMETHRIN)
Transport hazard class(es):	2.1, EHSM
Packing group:	Not applicable
Environmental hazards:	yes Marine pollutant: YES
Special precautions for user:	None known

Air transport

IATA/ICAO

UN number:	UN 1950
UN proper shipping name:	AEROSOLS, FLAMMABLE (contains PETROLEUM GASES, LIQUEFIED, TETRAMETHRIN)
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

14.1. UN number
See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2. UN proper shipping name
See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3. Transport hazard class(es)
See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

Further information

This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

SECTION 15: Regulatory Information

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

To avoid risks to man and the environment, comply with the instructions for use.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).
This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom).
This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xn	Harmful.
N	Dangerous for the environment.
F+	Extremely flammable.
F	Highly flammable.
Xi	Irritant.
20	Harmful by inhalation.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
12	Extremely flammable.
65	Harmful: may cause lung damage if swallowed.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
Flam. Aerosol	Flammable aerosol
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Acute Tox.	Acute toxicity
Flam. Gas	Flammable gas
Press. Gas	Gases under pressure
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H280	Contains gas under pressure; may explode if heated.
H220	Extremely flammable gas.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: product-safety-north@basf.com

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