

## Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 31.07.2017

Version: 2.0

Product: **Sorgene® Xtra**

(ID no. 30669044/SDS\_GEN\_GB/EN)

Date of print 15.05.2020

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

#### 1.1. Product identifier

**Sorgene® Xtra**

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

Relevant identified uses: biocide

#### 1.3. Details of the supplier of the safety data sheet

Company:

BASF plc  
PO Box 4, Earl Road, Cheadle Hulme,  
Cheadle, Cheshire  
SK8 6QG, UNITED KINGDOM  
Operating Division Crop Protection

Telephone: +49 621 60-27777

E-mail address: [Produktinformation-Pflanzenschutz@basf.com](mailto:Produktinformation-Pflanzenschutz@basf.com)

#### 1.4. Emergency telephone number

Telephone: +49 180 2273-112

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### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

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

Ox. Liq. 2

Met. Corr. 1

Acute Tox. 4 (oral)

Acute Tox. 4 (Inhalation - mist)  
 Acute Tox. 4 (dermal)  
 Skin Corr./Irrit. 1B  
 Eye Dam./Irrit. 1  
 STOT SE 3 (irritating to respiratory system)  
 Aquatic Chronic 1

H272, H290, H302, H312, H314, H332, H335, H410, EUH401

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 (GHS) in accordance with UK regulations.

Pictogram:



Signal Word:

Danger

Hazard Statement:

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals,
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P221	Take any precaution to avoid mixing with combustibles ...
P234	Keep only in original packaging.
P260	Do not breathe dust/mist/vapours.
P264	Wash contaminated body parts thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements (Response):**

P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use... to extinguish.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.

**Precautionary Statements (Storage):**

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in a corrosion-resistant/... container with a resistant inner liner.

**Precautionary Statements (Disposal):**

P501	Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
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According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: HYDROGEN PEROXIDE, PERACETIC ACID, ACETIC ACID

**2.3. Other hazards**According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

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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, Cleaning Agent

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Hydrogen peroxide

Content (W/W): > 20 % - < 25 %

CAS Number: 7722-84-1

EC-Number: 231-765-0

INDEX-Number: 008-003-00-9

Ox. Liq. 1

Acute Tox. 4 (Inhalation - vapour)

Acute Tox. 4 (oral)

Skin Corr./Irrit. 1A

Eye Dam./Irrit. 1

STOT SE 3 (irr. to respiratory syst.)

Aquatic Chronic 3

H271, H332, H302, H335, H314, H412

#### Specific concentration limit:

Eye Dam./Irrit. 2: 5 - < 8 %

Eye Dam./Irrit. 1: 8 - < 50 %

Skin Corr./Irrit. 2: 35 - < 50 %

Skin Corr./Irrit. 1B: 50 - < 70 %

Skin Corr./Irrit. 1A: >= 70 %

STOT SE 3, irr. to respiratory syst.: >= 35 %

Ox. Liq. 2: 50 - < 70 %

Ox. Liq. 1: >= 70 %

acetic acid...%

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Content (W/W): > 10 % - < 15 %  
 CAS Number: 64-19-7  
 EC-Number: 200-580-7  
 REACH registration number: 01-2119475328-30  
 INDEX-Number: 607-002-00-6

Flam. Liq. 3  
 Skin Corr./Irrit. 1A  
 Eye Dam./Irrit. 1  
 H226, H314

Specific concentration limit:  
 Skin Corr./Irrit. 2: 10 - < 25 %  
 Eye Dam./Irrit. 2: 10 - < 25 %  
 Skin Corr./Irrit. 1B: 25 - < 90 %  
 Skin Corr./Irrit. 1A: >= 90 %

peracetic acid...%

Content (W/W): > 5 % - < 10 %  
 CAS Number: 79-21-0

Org. Perox. D  
 Flam. Liq. 3  
 Acute Tox. 4 (Inhalation - vapour)  
 Acute Tox. 4 (oral)  
 Acute Tox. 4 (dermal)  
 Skin Corr./Irrit. 1A  
 Eye Dam./Irrit. 1  
 STOT SE 3 (irr. to respiratory syst.)  
 Aquatic Acute 1  
 Aquatic Chronic 1  
 H226, H242, H302, H312, H314, H332, H335,  
 H400, H410

Alcohols, C9-11, ethoxylated

Content (W/W): > 1 % - < 3 %  
 CAS Number: 68439-46-3

Acute Tox. 4 (oral)  
 Eye Dam./Irrit. 1  
 H302, H318

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: difficulty breathing, coughing, development of pulmonary edema, pneumonitis, nosebleeds, swelling of tissues, nausea, vomiting, diarrhea, shortness of breath

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **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**

Has a fire-promoting effect due to release of oxygen.

carbon monoxide, Carbon dioxide, nitrogen oxides

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.

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## **SECTION 6: Accidental Release Measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

## 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. Wear suitable protective equipment.

## 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## 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:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### 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 away from heat. Keep container tightly closed in a cool, well-ventilated place.

### 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.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits

64-19-7: acetic acid...%

TWA value 25 mg/m<sup>3</sup> ; 10 ppm (OEL (EU))  
indicative

7722-84-1: hydrogen peroxide solution...%

STEL value 2.8 mg/m<sup>3</sup> ; 2 ppm (WEL/EH 40 (UK))  
TWA value 1.4 mg/m<sup>3</sup> ; 1 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:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

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) etc.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

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

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

### Environmental exposure controls

For information regarding environmental exposure controls, see Section 6.

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## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	liquid
Colour:	colourless
Odour:	pungent
Odour threshold:	Not determined since harmful by inhalation.



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pH value:	< 2 (20 °C)
Melting point:	approx. -42 °C
Boiling point:	approx. 105 °C
Flash point:	74 - 83 °C
Evaporation rate:	not applicable
Flammability:	not flammable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	463 °C The product has not been tested. The statement has been derived from the properties of the individual components.
Vapour pressure:	approx. 32 hPa (25 °C)
Density:	approx. 1.1 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	miscible
<i>Information on: hydrogen peroxide solution...%</i>	
<i>Partitioning coefficient n-octanol/water (log Kow):</i>	-1.57 (calculated)
	(25 °C)

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Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic:

not determined

Explosion hazard: not explosive

Fire promoting properties: 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.

Corrosion to metals: Corrosive effect on: carbon steel (iron)

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

Contact with combustible material may cause fire. Reacts as a strong oxidizing agent with all oxidizable organic and inorganic substances.

### 10.4. Conditions to avoid

Avoid contamination. Avoid heating under confinement. Heating may cause pressure build-up and possible rupture of the container. See MSDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

acids, bases, metal, heavy metal salts, reducing agents, organic substances, flammable, oxidizable substances

### 10.6. Hazardous decomposition products

Hazardous decomposition products:

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

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact.

Experimental/calculated data:

LD50 rat (oral): 652 mg/kg

LC50 rat (by inhalation): 4 mg/l 4 h

LD50 rabbit (dermal): 1,957 mg/kg

#### Irritation

Assessment of irritating effects:  
Corrosive! Damages skin and eyes.

Experimental/calculated data:  
Skin corrosion/irritation rabbit: Corrosive.

Serious eye damage/irritation rabbit: Risk of serious damage to eyes.

#### Respiratory/Skin sensitization

Assessment of sensitization:  
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:  
guinea pig: Skin sensitizing effects were not observed in animal studies.

#### Germ cell mutagenicity

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

*Information on: Hydrogen peroxide*

*Assessment of mutagenicity:*

*The substance was mutagenic in various test systems with bacteria and cell cultures; however, these results could not be confirmed in tests with mammals.*

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#### Carcinogenicity

Assessment of carcinogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

#### 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.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

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

#### 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: Hydrogen peroxide*

*Assessment of repeated dose toxicity:*

*After repeated administration the prominent effect is the induction of corrosion.*

*Information on: acetic acid...%*

*Assessment of repeated dose toxicity:*

*After repeated administration the prominent effect is the induction of corrosion.*

#### Aspiration hazard

No aspiration hazard expected.

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

#### Other relevant toxicity information

Misuse can be harmful to health.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

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

Toxicity to fish:

LC50 (96 h) 1.1 mg/l, *Lepomis macrochirus*

Aquatic invertebrates:

EC50 (48 h) 0.73 mg/l, *Daphnia magna*

Aquatic plants:

EC50 (96 h) 0.16 mg/l, *Pseudokirchneriella subcapitata*

## 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

*Information on: Hydrogen peroxide*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to OECD criteria).*

*Information on: acetic acid...%*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to 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: acetic acid...%*

*Assessment bioaccumulation potential:*

*Accumulation in organisms is not to be expected.*

*Information on: hydrogen peroxide solution...%*

*Bioaccumulation potential:*

*Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.*

## 12.4. Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Hydrogen peroxide*

*Assessment transport between environmental compartments:*

*Volatility: The substance will not evaporate into the atmosphere from the water surface.*

*Adsorption in soil: No data available.*

*Information on: acetic acid...%*

*Assessment transport between environmental compartments:*

*Volatility: The substance will not evaporate into the atmosphere from the water surface.*

*Adsorption in soil: Adsorption to solid soil phase 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 Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### 12.7. Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## 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.

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## SECTION 14: Transport Information

### Land transport

ADR

UN number	UN3149
UN proper shipping name:	HYDROGEN PEROXIDE AND PEROXYACETIC ACID, MIXTURE, STABILIZED
Transport hazard class(es):	5.1, 8, EHS
Packing group:	II
Environmental hazards:	yes
Special precautions for user:	Tunnel code: E

RID

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UN number: UN3149  
UN proper shipping name: HYDROGEN PEROXIDE AND PEROXYACETIC ACID, MIXTURE, STABILIZED  
Transport hazard class(es): 5.1, 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Special precautions for user: None known

#### **Inland waterway transport**

ADN

UN number: UN3149  
UN proper shipping name: HYDROGEN PEROXIDE AND PEROXYACETIC ACID, MIXTURE, STABILIZED  
Transport hazard class(es): 5.1, 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Special precautions for user: None known

#### **Transport in inland waterway vessel**

Not evaluated

#### **Sea transport**

IMDG

UN number: UN 3149  
UN proper shipping name: HYDROGEN PEROXIDE AND PEROXYACETIC ACID, MIXTURE, STABILIZED  
Transport hazard class(es): 5.1, 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: None known

#### **Air transport**

IATA/ICAO

UN number: UN 3149  
UN proper shipping name: HYDROGEN PEROXIDE AND PEROXYACETIC ACID, MIXTURE, STABILIZED  
Transport hazard class(es): 5.1, 8

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Packing group:	II
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 MARPOL 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).

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## SECTION 15: Regulatory Information

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

#### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3



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Restrictions of Regulation (EC) No 1907/2006, Annex XVII, do not apply for the intended use(s) of the product given in this MSDS.

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 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 hazard classes and the hazard statements, if mentioned in section 2 or 3:

Ox. Liq.	Oxidising liquids
Met. Corr.	Corrosive to metals
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Flam. Liq.	Flammable liquids
Org. Perox.	Organic Peroxides
Aquatic Acute	Hazardous to the aquatic environment - acute
H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.
H271	May cause fire or explosion; strong oxidizer.
H412	Harmful to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H400	Very toxic to aquatic life.
H318	Causes serious eye damage.

If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: [Produktinformation-Pflanzenschutz@basf.com](mailto:Produktinformation-Pflanzenschutz@basf.com)

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a

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