

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## COMPO Fertilizer for blue Hortensia

Version	Revision Date:	SDS Number:	Date of last issue: 09.06.2021
10.1	07.12.2022	C1801	Date of first issue: 09.06.2021

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

#### 1.1 Product identifier

Trade name	:	COMPO Fertilizer for blue Hortensia
Product code	:	000000001253652004
Unique Formula Identifier (UFI)	:	8UUJ-W2XS-PC89-AR4F

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

Use of the Substance/Mixture	:	Private households (=general public = consumers) Fertilizers
Recommended restrictions on use	:	To be used only where there is a recognised need. Do not exceed the appropriate dose rates.

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

Company	:	COMPO GmbH Gildenstraße 38 D-48157 Münster
Telephone	:	+49-0251/3277-0
Telefax	:	+49 (0)251/326225
E-mail address of person responsible for the SDS	:	product-safety@compo.com

#### 1.4 Emergency telephone number

Giftinformationszentrale Nord, Göttingen, Germany  
Telephone: +49 (0)551 19240

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.

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Long-term (chronic) aquatic hazard, Category 1

H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H410 Very 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.

#### Prevention:

P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P391 Collect spillage.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Contains aluminium sulphate, iron (II) sulfate heptahydrate.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Mixture of inorganic salts

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
aluminium sulphate	10043-01-3 233-135-0 01-2119531538-36-XXXX	Met. Corr. 1; H290 Eye Dam. 1; H318	> 50 - < 60
iron (II) sulfate heptahydrate	7782-63-0 231-753-5 026-003-01-4	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319  specific concentration limit Skin Irrit. 2; H315 ≥ 25 %	> 25 - < 28
manganese sulphate	7785-87-7 232-089-9 025-003-00-4 01-2119456624-35-XXXX	Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Chronic 2; H411	> 1 - < 2,5
copper sulphate pentahydrate	7758-99-8 231-847-6 029-023-00-4 01-2119520566-40-XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity esti- mate  Acute oral toxicity: 481 mg/kg	> 1 - < 2,5

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zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)	7446-19-7 231-793-3 030-006-00-9 01-2119474684-27-XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	> 1 - < 2,5
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                         |   |
|-------------------------|---|
| If inhaled              | : Move to fresh air.<br>If symptoms persist, call a physician.  |
| In case of skin contact | : Wash off with soap and plenty of water.<br>If symptoms persist, call a physician.   |
| In case of eye contact  | : Remove contact lenses.<br>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>If eye irritation persists, consult a specialist. |
| If swallowed            | : Do NOT induce vomiting.<br>Rinse mouth with water.<br>If swallowed, seek medical advice immediately and show this container or label.                                   |

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

None known.

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

Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Product is compatible with standard fire-fighting agents.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).



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### **5.3 Advice for firefighters**

- Special protective equipment for firefighters : Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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## **SECTION 6: Accidental release measures**

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

- Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Avoid contact with skin, eyes and clothing.

### **6.2 Environmental precautions**

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

### **6.3 Methods and material for containment and cleaning up**

- Methods for cleaning up : Use mechanical handling equipment.  
Prevent further leakage or spillage.  
Wipe up with absorbent material (e.g. cloth, fleece).  
After cleaning, flush away traces with water.

### **6.4 Reference to other sections**

For personal protection see section 8., For disposal considerations see section 13.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

- Advice on safe handling : Take notice of the directions of use on the label.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Avoid inhalation of vapour or mist.  
Wash hands before breaks and at the end of workday.
- Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : General industrial hygiene practice. Wash hands before breaks and at the end of workday. Keep away from food and drink.

### **7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep out of the reach of children. Store in original container.  
Keep tightly closed in a dry, cool and well-ventilated place.

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Advice on common storage : Keep away from food and drink.  
Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 13

Recommended storage temperature : 5 - 30 °C

### 7.3 Specific end use(s)

Specific use(s) : Always read the label and product information before use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
aluminium sulphate	10043-01-3	Exposure limit(s) (inhalable fraction)	10 mg/m <sup>3</sup>	DE TRGS 900
		Exposure limit(s) (Alveolar dust fraction)	1,25 mg/m <sup>3</sup>	DE TRGS 900
manganese sulphate	7785-87-7	Exposure limit(s) (Inhalable fraction)	0,5 mg/m <sup>3</sup>	DE TRGS 900
	Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., The threshold value is based on the element content of the corresponding metal., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		AGW (Inhalable fraction)	0,2 mg/m <sup>3</sup> (Manganese)	DE TRGS 900
	Peak-limit: excursion factor (category): 8;(II)			
	Further information: For Permanganates an excursion factor of 1(II) applies., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		AGW (Alveolate fraction)	0,02 mg/m <sup>3</sup> (Manganese)	DE TRGS 900
	Peak-limit: excursion factor (category): 8;(II)			
	Further information: For Permanganates an excursion factor of 1(II) applies., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		TWA (inhalable fraction)	0,2 mg/m <sup>3</sup> (Manganese)	2017/164/EU
	Further information: Indicative			
		TWA (Respirable)	0,05 mg/m <sup>3</sup>	2017/164/EU

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		fraction)	(Manganese)	
Further information: Indicative				

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
iron (II) sulfate heptahydrate	Workers	Skin contact	Long-term systemic effects	13,95 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	99,6 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	1,4 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	6,97 mg/kg bw/day
copper sulphate pentahydrate	Workers	Skin contact	Systemic effects	137 mg/kg
	Consumers	Ingestion	Systemic effects, Local effects	0,041 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
copper sulphate pentahydrate	Fresh water	0,0078 mg/l
	Remarks:Copper	
	Marine water	0,0052 mg/l
	Remarks:Copper	
	Soil	0,065 mg/l
	Remarks:Copper	

## 8.2 Exposure controls

### Engineering measures

Provide adequate ventilation.

### Personal protective equipment

Eye/face protection : Avoid contact with eyes.  
Safety glasses with side-shields conforming to EN166

#### Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.  
Break through time : > 30 min  
Glove thickness : 0,4 mm  
Glove length : Standard glove type.  
Remarks : Skin should be washed after contact.

Skin and body protection : Long sleeved clothing

Respiratory protection : not required  
Do not breathe vapours or spray mist.

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### SECTION 9: Physical and chemical properties

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

Physical state	: solid
Colour	: light cream
Odour	: odourless
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flammability	: The product is not flammable.
Decomposition temperature	: Not applicable
pH	: No data available
Solubility(ies)	
Water solubility	: soluble
Vapour pressure	: No data available
Density	: No data available
Particle characteristics	
Particle size	: No data available

#### 9.2 Other information

Explosives	: Not explosive but Dust may form explosive mixture in air.
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions	: No dangerous reaction known under conditions of normal use.
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### **10.4 Conditions to avoid**

Conditions to avoid : Protect from frost, heat and sunlight.

### **10.5 Incompatible materials**

Materials to avoid : Strong acids and strong bases  
Strong oxidizing agents

### **10.6 Hazardous decomposition products**

In case of fire hazardous decomposition products may be produced such as:  
Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute toxicity**

##### **Product:**

Acute oral toxicity : Acute toxicity estimate: 708  
Method: Acute toxicity estimate  
Remarks: Harmful if swallowed.

Acute inhalation toxicity : Remarks: Not classified

##### **Components:**

##### **copper sulphate pentahydrate:**

Acute oral toxicity : Acute toxicity estimate: 481 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC)  
No. 1272/2008

#### **Skin corrosion/irritation**

##### **Product:**

Result : Skin irritation  
Remarks : Calculation method

#### **Serious eye damage/eye irritation**

##### **Product:**

Result : Serious eye damage  
Remarks : Calculation method

#### **Respiratory or skin sensitisation**

##### **Product:**

Remarks : Not classified

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### Germ cell mutagenicity

#### Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

### Carcinogenicity

#### Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

### Reproductive toxicity

#### Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

### STOT - single exposure

#### Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

#### Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : Health injuries are not known or expected under normal use.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

##### Components:

##### **copper sulphate pentahydrate:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

##### **zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate):**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Endocrine disrupting properties

##### Product:

Assessment : The substance/mixture does not contain components consid-

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ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not flush into surface water or sanitary sewer system.  
Dispose of product to an approved waste disposal plant.

The waste codes are manufacturer's recommendations based on the designated use of the product.

European Waste Catalog: 02 01 09 Waste of agricultural chemicals other than those mentioned in 02 01 08.

Contaminated packaging : Do not re-use empty containers.  
Dispose of container to an approved waste disposal plant.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
IATA	: UN 3077

### 14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate, copper sulphate)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate, copper sulphate)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate, copper sulphate)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate, copper sulphate)
IATA	: Environmentally hazardous substance, solid, n.o.s.

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(zinc sulphate, copper sulphate)

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	: 9	
<b>ADR</b>	: 9	
<b>RID</b>	: 9	
<b>IMDG</b>	: 9	
<b>IATA</b>	: 9	

### 14.4 Packing group

<b>ADN</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
<b>ADR</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
Tunnel restriction code	: (-)
<b>RID</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
<b>IMDG</b>	
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
<b>IATA (Cargo)</b>	
Packing instruction (cargo aircraft)	: 956
Packing instruction (LQ)	: Y956
Packing group	: III
Labels	: Miscellaneous Dangerous Goods
<b>IATA (Passenger)</b>	
Packing instruction (passenger aircraft)	: 956
Packing instruction (LQ)	: Y956
Packing group	: III
Labels	: Miscellaneous Dangerous Goods

### 14.5 Environmental hazards

<b>ADN</b>	
Environmentally hazardous	: yes

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### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : yes

### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the Euro- E1 ENVIRONMENTAL HAZARDS

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pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Water hazard class (Germany) : WGK 3 highly hazardous to water

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H290	: May be corrosive to metals.
H302	: Harmful if swallowed.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H373	: May cause 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.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Met. Corr.	: Corrosive to metals
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure
2017/164/EU	: Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
2017/164/EU / TWA	: Limit Value - eight hours
DE TRGS 900 / AGW	: Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-

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tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Training advice : Handle in accordance with good industrial hygiene and safety practice.  
See sections: 4, 5, 6, 7, 8, 10 and 13.

Sources of key data used to compile the Safety Data Sheet : Information taken from reference works and the literature.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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