

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

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

#### 1.1 Product identifier

Trade name : NEMATHORIN 10 G  
Design code : A12842A  
Product Registration Number : PCS 02867

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

Use of the Substance/Mixture : Nematicide

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

Company : Syngenta Ireland Limited  
Block 6 Cleaboy Business Park, Old Kilmeaden Road,  
Waterford  
Ireland  
Telephone : (051) 377203  
Telefax : (051) 354748  
E-mail address of person responsible for the SDS : cropsales.ie@syngenta.com

#### 1.4 Emergency telephone number

**Emergency telephone number** : Syngenta +44 1484 538444  
Poisons Information Centre of Ireland  
Members of Public: +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 (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 3      H301: Toxic if swallowed.  
Long-term (chronic) aquatic hazard, Category 2      H411: Toxic to aquatic life with long lasting effects.



## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### 2.2 Label elements

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

Hazard pictograms :  

Signal word : Danger

Hazard statements : H301 Toxic if swallowed.  
H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH070 Toxic by eye contact.  
EUH208 Contains fosthiazate. May produce an allergic reaction.  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### Hazardous components which must be listed on the label:

fosthiazate (ISO)

### 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.

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.

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.  
May form combustible dust concentrations in air.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
fosthiazate (ISO)	98886-44-3  015-168-00-0	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH070  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 10 - < 20

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

Remove contact lenses.  
Immediate medical attention is required.

If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

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

Symptoms : Poisoning produces effects associated with anticholinesterase activity which may include:  
Nausea  
Diarrhoea  
Vomiting

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

Treatment : Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube).  
Administer atropine sulphate as antidote.  
Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### 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 dust formation.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).  
Do not create a powder cloud by using a brush or compressed air.  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

#### 6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion.  
Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material.  
Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

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

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

#### 7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

##### Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.  
Where necessary, seek additional occupational hygiene advice.

##### Personal protective equipment

Eye protection : Tightly fitting safety goggles  
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.  
Equipment should conform to EN 166

Hand protection

Remarks : No special protective equipment required.  
Skin and body protection : No special protective equipment required.  
Select skin and body protection based on the physical job requirements.

Respiratory protection : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.

---

### SECTION 9: Physical and chemical properties

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

Physical state : pellets  
Colour : red brown  
  
Odour : characteristic  
Odour Threshold : No data available  
  
Melting point/range : No data available  
  
Boiling point/boiling range : No data available

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

Flammability : May form combustible dust concentrations in air.

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature  
Decomposition temperature : No data available

pH : 8.61 (21 °C)  
Concentration: 1 % w/v

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Solubility(ies)  
Water solubility : dispersible  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Density : 1.13 g/cm<sup>3</sup> (25 °C)

Bulk density : 0.435 kg/dm<sup>3</sup>  
1.0959 g/ml Tap density

0.9985 g/ml Pour density

Relative vapour density : No data available

Particle characteristics  
Particle size : No data available

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Evaporation rate : No data available

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None reasonably foreseeable.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

#### 10.5 Incompatible materials

Materials to avoid : None known.

#### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

---

### SECTION 11: Toxicological information

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

Information on likely routes of exposure : Ingestion  
Inhalation  
Skin contact  
Eye contact

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, female): 230 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### Components:

##### **fosthiazate (ISO):**

Acute oral toxicity : LD50 (Rat, female): 57 mg/kg

LD50 (Rat, male): 73 mg/kg



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## NEMATHORIN 10 G

Version  
10.1

Revision Date:  
04.06.2021

SDS Number:  
S1280002147

This version replaces all previous versions.

Acute inhalation toxicity : LC50 (Rat, female): 0.56 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

LC50 (Rat, male): 0.83 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, female): 853 mg/kg

LD50 (Rat, male): 2,373 mg/kg

### Skin corrosion/irritation

#### Product:

Species : Rabbit  
Result : No skin irritation

#### Components:

##### **fosthiazate (ISO):**

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

#### Product:

Species : Rabbit  
Result : No eye irritation

#### Components:

##### **fosthiazate (ISO):**

Species : Rabbit  
Result : No eye irritation

### Respiratory or skin sensitisation

#### Product:

Species : Guinea pig  
Result : Does not cause skin sensitisation.

#### Components:

##### **fosthiazate (ISO):**

Result : May cause sensitisation by skin contact.

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### Germ cell mutagenicity

#### Components:

##### **fosthiazate (ISO):**

Germ cell mutagenicity-  
Assessment : Based on available data, the classification criteria are not met.

### Carcinogenicity

#### Components:

##### **fosthiazate (ISO):**

Carcinogenicity -  
Assessment : Based on available data, the classification criteria are not met.

### Reproductive toxicity

#### Components:

##### **fosthiazate (ISO):**

Reproductive toxicity -  
Assessment : Based on available data, the classification criteria are not met.

### STOT - single exposure

#### Components:

##### **fosthiazate (ISO):**

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

### STOT - repeated exposure

#### Components:

##### **fosthiazate (ISO):**

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.

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

### Further information

#### Components:

##### **fosthiazate (ISO):**

Remarks : Toxic by eye contact.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.94 mg/l  
Exposure time: 48 h

#### Components:

##### **fosthiazate (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 114 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.282 mg/l  
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 1.65 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.06 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 1

### 12.2 Persistence and degradability

#### Components:

##### **fosthiazate (ISO):**

Stability in water : Degradation half life: 22 - 49 d  
Remarks: Product is not persistent.

### 12.3 Bioaccumulative potential

#### Components:

##### **fosthiazate (ISO):**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)

---

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

Exposure time: 672 h  
Bioconcentration factor (BCF): 2.3 - 4.5  
Remarks: Low bioaccumulation potential.

Partition coefficient: n-octanol/water : log Pow: 1.752

### 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..

**Components:**

**fosthiazate (ISO):**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 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.

### 12.7 Other adverse effects

No data available

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

---

handling site for recycling or disposal.  
Do not re-use empty containers.

Waste Code : uncleaned packagings  
15 01 10, packaging containing residues of or contaminated  
by hazardous substances

---

### SECTION 14: Transport information

#### 14.1 UN number or ID number

**ADN** : UN 2783  
**ADR** : UN 2783  
**RID** : UN 2783  
**IMDG** : UN 2783  
**IATA** : UN 2783

#### 14.2 UN proper shipping name

**ADN** : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC  
(FOSTHIAZATE)  
**ADR** : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC  
(FOSTHIAZATE)  
**RID** : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC  
(FOSTHIAZATE)  
**IMDG** : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC  
(FOSTHIAZATE)  
**IATA** : Organophosphorus pesticide, solid, toxic  
(FOSTHIAZATE)

#### 14.3 Transport hazard class(es)

**ADN** : 6.1  
**ADR** : 6.1  
**RID** : 6.1  
**IMDG** : 6.1  
**IATA** : 6.1

#### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : T7  
Hazard Identification Number : 60  
Labels : 6.1  
**ADR**  
Packing group : III

## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147

This version replaces all previous versions.

Classification Code : T7  
Hazard Identification Number : 60  
Labels : 6.1  
Tunnel restriction code : (E)

### RID

Packing group : III  
Classification Code : T7  
Hazard Identification Number : 60  
Labels : 6.1

### IMDG

Packing group : III  
Labels : 6.1  
EmS Code : F-A, S-A

### IATA (Cargo)

Packing instruction (cargo aircraft) : 677  
Packing instruction (LQ) : Y645  
Packing group : III  
Labels : Toxic

### IATA (Passenger)

Packing instruction (passenger aircraft) : 670  
Packing instruction (LQ) : Y645  
Packing group : III  
Labels : Toxic

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : 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 : Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

the market and use of certain dangerous substances, preparations and articles (Annex XVII)

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

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

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

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

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
H2	ACUTE TOXIC	50 t	200 t
E2	ENVIRONMENTAL HAZARDS	200 t	500 t

### Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Use plant protection products safely. Always read the label and product information before use. Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

## SECTION 16: Other information

### Full text of H-Statements

- H301 : Toxic if swallowed.
- H311 : Toxic in contact with skin.
- H317 : May cause an allergic skin reaction.
- H331 : Toxic if inhaled.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- EUH070 : Toxic by eye contact.

### Full text of other abbreviations

- Acute Tox. : Acute toxicity
- Aquatic Acute : Short-term (acute) aquatic hazard
- Aquatic Chronic : Long-term (chronic) aquatic hazard
- Skin Sens. : Skin sensitisation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## NEMATHORIN 10 G

Version 10.1      Revision Date: 04.06.2021      SDS Number: S1280002147      This version replaces all previous versions.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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 - International 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 3                      H301  
Aquatic Chronic 2                H411

#### Classification procedure:

Based on product data or assessment  
Calculation method

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.

IE / EN