

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

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

#### 1.1 Product identifier

Trade name : STAPA 304 Copper Paste  
Product code : 073221B60 073221B60

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

This information is not available.

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

Company : ECKART GmbH  
Guentersthal 4  
91235 Hartenstein  
  
Telephone : +499152770  
  
Telefax : +499152777008  
  
E-mail address of person responsible for the SDS : msds.eckart@altana.com

#### 1.4 Emergency telephone number

GBK Gefahrgut Büro GmbH, Ingelheim, Germany:  
From outside US : (001) 352-323-3500  
(First call in English, response in your language is possible)  
US & Canada (toll free) : 1-800-5355-053

---

### 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.
Acute toxicity, Category 3	H331: Toxic if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version  
2.1

Revision Date:  
08.03.2018

SDS Number:  
102000000453

Print Date: 20.11.2018  
Date of first issue: 26.09.2016

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P280 Wear eye protection/ face protection.  
**Response:**  
P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Hazardous components which must be listed on the label:  
copper flakes (coated with aliphatic acid)

### 2.3 Other hazards

Combustible Solids

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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification REGULATION (EC) No 1272/2008	Concentration (% w/w)
copper flakes (coated with aliphatic acid)	Not Assigned  029-019-01-X	Acute Tox. 4; H302 Acute Tox. 3; H331 Eye Irrit. 2; H319 Aquatic Acute 1; H400	>= 50 - <= 100

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

		Aquatic Chronic 1; H410	
naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 649-327-00-6 01-2119457273-39	Asp. Tox. 1; H304	>= 10 - < 20

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move the victim to fresh air.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Risks : Harmful if swallowed.  
Causes serious eye irritation.  
Toxic if inhaled.

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

This information is not available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Special powder against metal fire  
Dry sand  
ABC powder
- Unsuitable extinguishing : Water

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.1	08.03.2018	102000000453	Date of first issue: 26.09.2016

---

media High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

---

## SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Use personal protective equipment.  
Avoid dust formation.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
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 : Use mechanical handling equipment.

Pick up and transfer to properly labelled containers.  
Do not flush with water.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Keep in suitable, closed containers for disposal.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.1	08.03.2018	102000000453	Date of first issue: 26.09.2016

---

### 6.4 Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition. No smoking.  
  
Avoid dust formation.
- Hygiene measures : General industrial hygiene practice.  
  
When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Keep away from sources of ignition - No smoking. Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.  
  
Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Protect from humidity and water.
- Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.  
Do not store together with oxidizing and self-igniting products.
- Dampness : Keep in a dry, cool and well-ventilated place.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

This information is not available.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version  
2.1

Revision Date:  
08.03.2018

SDS Number:  
102000000453

Print Date: 20.11.2018  
Date of first issue: 26.09.2016

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis (Version Date)
copper flakes (coated with aliphatic acid)	Not Assigned	TWA (Dust)	0,5 mg/m <sup>3</sup>	RO OEL (2012-01-19)
		STEL (Dust)	1,5 mg/m <sup>3</sup>	RO OEL (2012-01-19)
		STEL (Fumes)	0,2 mg/m <sup>3</sup>	RO OEL (2012-01-19)

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

Substance name	End Use	Exposure routes	Potential health effects	Value
naphtha (petroleum), hydrotreated heavy	Workers	Skin contact	long term – systemic effects	300 mg/kg
	Consumers	Ingestion	long term – systemic effects	300 mg/kg
	Consumers	Skin contact	long term – systemic effects	300 mg/kg
	Consumers	Inhalation	long term – systemic effects	900 mg/m <sup>3</sup>

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

Substance name	Environmental Compartment	Value
copper flakes (coated with aliphatic acid)	Fresh water	7,8 µg/l
	Marine water	5,2 µg/l
	Fresh water sediment	87 mg/kg
	Soil	65,5 mg/kg
	clarification plant	0,23 mg/l

#### 8.2 Exposure controls

##### Personal protective equipment

Eye protection : Safety glasses

Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Material

: Solvent-resistant gloves (butyl-rubber)

Remarks

: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date:
2.1	08.03.2018	102000000453	20.11.2018
			Date of first issue: 26.09.2016

---

contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use suitable breathing protection if workplace concentration requires.  
Respirator with a vapour filter (EN 141)

### Environmental exposure controls

Water : The product should not be allowed to enter drains, water courses or the soil.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: Pasty solid
Colour	: copper
Odour	: characteristic
Odour Threshold	: No data available
pH	: No data available
Freezing point	: No data available
Boiling point/boiling range	: 180 °C
Flash point	: 36 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Combustible Solids
Self-ignition	: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

Auto-ignition temperature : No data available  
Smoldering temperature : No data available  
Decomposition temperature : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Upper explosion limit / Upper flammability limit : No data available  
Lower explosion limit / Lower flammability limit : No data available  
Vapour pressure : No data available  
Relative vapour density : No data available  
Relative density : No data available  
Density : No data available  
Bulk density : No data available  
Solubility(ies)  
    Water solubility : immiscible  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Decomposition temperature : No data available  
Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available  
Flow time : No data available

### 9.2 Other information

No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.1	08.03.2018	102000000453	Date of first issue: 26.09.2016

---

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.

No data available

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Thermal decomposition : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Harmful if swallowed.

Toxic if inhaled.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 557,41 mg/kg  
Method: Calculation method

#### Components:

##### **copper flakes (coated with aliphatic acid):**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate

LD50 Oral (Rat, male and female): 300 - 500 mg/kg

Method: OECD Test Guideline 423

Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat, male): 0,7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version  
2.1

Revision Date:  
08.03.2018

SDS Number:  
102000000453

Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

Assessment: The substance or mixture has no acute dermal toxicity

### **naphtha (petroleum), hydrotreated heavy:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): Test atmosphere: vapour  
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

#### **Product:**

Remarks: May cause skin irritation in susceptible persons.

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

Causes serious eye irritation.

#### **Product:**

Remarks: Eye irritation

### **Components:**

#### **copper flakes (coated with aliphatic acid):**

Result: Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks: No data available

#### Components:

##### naphtha (petroleum), hydrotreated heavy:

Remarks: Solvents may degrease the skin.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### copper flakes (coated with aliphatic acid):

M-Factor (Acute aquatic toxicity) : 10

#### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### 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 Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

Very toxic to aquatic life with long lasting effects.

### Components:

#### **naphtha (petroleum), hydrotreated heavy:**

Additional ecological information : No data available

---

### SECTION 13: Disposal considerations

European Waste Catalogue : 12 01 04 - non-ferrous metal dust and particles  
European Waste Catalogue : 10 03 21 - other particulates and dust (including ball-mill dust) containing dangerous substances

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
In accordance with local and national regulations.

---

### SECTION 14: Transport information

#### 14.1 UN number

ADR : UN 3077  
IMDG : UN 3077  
IATA : UN 3077

#### 14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Copper metal powder)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Copper metal powder)

IATA : Environmentally hazardous substance, solid, n.o.s.  
(Copper metal powder)

#### 14.3 Transport hazard class(es)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version 2.1      Revision Date: 08.03.2018      SDS Number: 102000000453      Print Date: 20.11.2018  
Date of first issue: 26.09.2016

---

**ADR** : 9  
**IMDG** : 9  
**IATA** : 9

### 14.4 Packing group

#### ADR

Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

#### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Remarks : IMDG Code segregation group 7 - Heavy metals and their salts

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Environmentally hazardous : yes

#### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 Special precautions for user

Remarks : For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.1	08.03.2018	102000000453	Date of first issue: 26.09.2016

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
H304 : May be fatal if swallowed and enters airways.  
H319 : Causes serious eye irritation.  
H331 : Toxic if inhaled.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Asp. Tox. : Aspiration hazard  
Eye Irrit. : Eye irritation  
RO OEL : Romania. Annex No. 31: Occupational Exposure Limits  
RO OEL / TWA : Long term exposure limit  
RO OEL / STEL : Short term exposure limit

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; AICS - Australian Inventory of Chemical Substances; 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA 304 Copper Paste

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.1	08.03.2018	102000000453	Date of first issue: 26.09.2016

---

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; 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

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.

RO / EN