

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version 2.0      Revision Date: 07.12.2019      SDS Number: 102000029879      Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

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

#### 1.1 Product identifier

Trade name : STAPA HYDROXAL V CHROMAL VIII Aluminium Paste  
Product code : 024058KA0

#### 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 :

E-mail address of person responsible for the SDS : msds.eckart@altana.com

#### 1.4 Emergency telephone number

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Long-term (chronic) aquatic hazard, Category 3      H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

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

Hazard statements : H412      Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273      Avoid release to the environment.  
**Disposal:**  
P501      Dispose of contents/ container to an approved waste disposal plant.

#### 2.3 Other hazards

Combustible Solids

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

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)
aluminium powder (stabilised)	7429-90-5 231-072-3  01-2119529243-45	Flam. Sol. 1; H228	>= 50 - <= 100
Phosphoric acid, C11-14-isoalkyl esters, C13-rich	154518-38-4 (52933-07-0)  01-2119976356-25	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	>= 3 - < 10

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.  
Do not leave the victim unattended.
- No hazards which require special first aid measures.
- 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.  
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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version	Revision Date:	SDS Number:	Print Date:
2.0	07.12.2019	102000029879	06.08.2020
			Date of first issue: 03.08.2018

---

### 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

This information is not available.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry sand  
Special powder against metal fire

Unsuitable extinguishing media : ABC powder  
Carbon dioxide (CO<sub>2</sub>)  
Water  
Foam

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

Specific hazards during firefighting : Contact with water liberates extremely flammable gas (hydrogen).

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 : 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.  
Use personal protective equipment.  
Avoid dust formation.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version	Revision Date:	SDS Number:	Print Date: 06.08.2020
2.0	07.12.2019	102000029879	Date of first issue: 03.08.2018

---

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

Methods for cleaning up : Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Sweep up and shovel.  
Do not flush with water.  
Keep in suitable, closed containers for disposal.

### 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 : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

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

Requirements for storage areas and containers : Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.

Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : Do not store near acids.  
Do not store together with oxidizing and self-igniting products.  
Keep away from oxidizing agents and strongly acid or alkaline materials.  
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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 HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

### 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 powder (stabilised)	7429-90-5	TWA (Inhalable)	10 mg/m <sup>3</sup>	GB EH40
Further information	The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m <sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m <sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
		TWA (Respirable)	4 mg/m <sup>3</sup>	GB EH40
Further information	The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m <sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m <sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
		TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m <sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m <sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific			

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

	short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.
	TWA (Respirable dust) 4 mg/m <sup>3</sup> GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m<sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m<sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.</p>

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

Substance name	End Use	Exposure routes	Potential health effects	Value
aluminium powder (stabilised)	Workers	Inhalation	Long-term local effects	3.72 mg/m <sup>3</sup>
	Consumers	Oral	Long-term systemic effects	3.95 mg/kg
2,2',2''-nitrioltriethanol	Workers	Inhalation	Long-term systemic effects	3.72 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	5 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	6.3 mg/kg
	Workers	Inhalation	Long-term systemic effects	5 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	1.25 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	13 mg/kg
	Consumers	Skin contact	Long-term systemic effects	3.1 mg/kg
	Consumers	Inhalation	Long-term systemic	1.25 mg/m <sup>3</sup>

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

			effects	
--	--	--	---------	--

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

Substance name	Environmental Compartment	Value
aluminium powder (stabilised)	Fresh water	0.0749 mg/l
	clarification plant	20 mg/l
2,2',2''-nitrilotriethanol	Soil	0.151 mg/kg
	Fresh water	0.32 mg/l
	Fresh water sediment	1.7 mg/kg
	clarification plant	10 mg/l
	Marine water	0.032 mg/l
	Marine sediment	0.17 mg/kg

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Goggles

Safety glasses

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

### 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 : silver

Odour : characteristic

Odour Threshold : No data available

pH : No data available

Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

Flammability (solid, gas)	: Combustible Solids
Self-ignition	: No data available
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	: 1.3 - 2.0 g/cm <sup>3</sup>
Bulk density	: No data available
Solubility(ies) Water solubility	: insoluble
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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with acids and alkalis may release hydrogen.  
  
Stable under recommended storage conditions.

#### 10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.  
  
No data available

#### 10.5 Incompatible materials

Materials to avoid : Acids  
Bases  
Oxidizing agents

#### 10.6 Hazardous decomposition products

Contact with water or humid air : This information is not available.  
  
Thermal decomposition : This information is not available.

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Not classified based on available information.

##### Components:

##### aluminium powder (stabilised):

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### Skin corrosion/irritation

Not classified based on available information.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

### **Product:**

Result: No skin irritation

Remarks: Based on available data, the classification criteria are not met.

### **Components:**

**Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

Result: Skin irritation

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

Not classified based on available information.

### **Product:**

Result: No eye irritation

Remarks: Based on available data, the classification criteria are not met.

### **Components:**

**Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

Result: Corrosive

### **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.

#### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

### **Product:**

Remarks: No data available

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version 2.0      Revision Date: 07.12.2019      SDS Number: 102000029879      Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.31 mg/l  
Exposure time: 48 h
- Toxicity to algae : EC50 (algae): 150 mg/l  
Exposure time: 72 h

#### 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.  
Harmful to aquatic life with long lasting effects.

---

### 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 hazardous substances

#### 13.1 Waste treatment methods

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

- 
- Product : The product should not be allowed to enter drains, water courses or the soil.  
In accordance with local and national regulations.
- Contaminated packaging : In accordance with local and national regulations.

---

### SECTION 14: Transport information

#### 14.1 UN number

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not permitted for transport

#### 14.2 UN proper shipping name

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not permitted for transport

#### 14.3 Transport hazard class(es)

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not permitted for transport

#### 14.4 Packing group

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not permitted for transport  
IATA (Passenger) : Not permitted for transport

#### 14.5 Environmental hazards

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good

#### 14.6 Special precautions for user

- Remarks : Not classified as dangerous in the meaning of transport regulations.  
Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

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

Not applicable for product as supplied.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version	Revision Date:	SDS Number:	Print Date: 06.08.2020
2.0	07.12.2019	102000029879	Date of first issue: 03.08.2018

### 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

### SECTION 16: Other information

#### Full text of H-Statements

H228 : Flammable solid.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Flam. Sol. : Flammable solids  
Skin Irrit. : Skin irritation  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

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 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version  
2.0

Revision Date:  
07.12.2019

SDS Number:  
102000029879

Print Date: 06.08.2020  
Date of first issue: 03.08.2018

---

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

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.

GB / EN