CAS number

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

Relevant identified uses:

Uses advised against:

Do not use for private purposes (household). Food, drink and animal feedingstuffs.

**Chromium(III) chloride hexahydrate** ≥97 %, p.a.

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

Carl Roth GmbH + Co. KG Schoemperlenstr. 3-5 D-76185 Karlsruhe Germany

Telephone:+49 (0) 721 - 56 06 0 Telefax: +49 (0) 721 - 56 06 149 e-mail: sicherheit@carlroth.de Website: www.carlroth.de

Competent person responsible for the safety data Department Health, Safety and Environment sheet:

#### e-mail (competent person):

## sicherheit@carlroth.de

#### 1.4 **Emergency telephone number**

Name	Street	Postal code/city	Telephone	Website
NSW Poisons Information Centre Childrens Hospital	Hawkesbury Road	2145 West- mead, NSW	131126	

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### **Classification acc. to GHS**

Section	Hazard class	Cat- egory	Hazard class and category	Hazard statement
2.16	Substance or mixture corrosive to metals	1	Met. Corr. 1	H290
3.10	Acute toxicity (oral)	4	Acute Tox. 4	H302
3.4S	Skin sensitisation	1	Skin Sens. 1	H317

For full text of abbreviations: see SECTION 16

#### 2.2 Label elements

#### Safety data sheet Safety data sheet acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate $\geq$ 97 %, p.a.

article number: 9832 Version: GHS 5.0 en Replaces version of: 2022-01-13 Version: (GHS 4)

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

9832

10060-12-5

Laboratory chemical

Laboratory and analytical use

#### **Product identifier** 1.1

Identification of the substance

Article number

date of compilation: 2016-05-25 Revision: 2024-03-02

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



### article number: 9832

Labelling

**Signal word** 

**Pictograms** 

GHS05, GHS07

	$\mathbf{v}$
Hazard statements	
H290	May be corrosive to metals
H302	Harmful if swallowed
H317	May cause an allergic skin reaction

Warning

#### **Precautionary statements**

#### **Precautionary statements - prevention**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves/protective clothing/eye protection/face protection

#### **Precautionary statements - response**

P302+P352	IF ON SKIN: Wash with plenty of soap and water
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P390	Absorb spillage to prevent material damage

#### **Precautionary statements - disposal**

P501 Dispose of contents/container to industrial combustion plant

#### 2.3 Other hazards

### Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

#### **Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\ge 0,1\%$ .

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Name of substance	Chromium(III) chloride hexahydrate
Molecular formula	$Cl_3Cr \cdot 6 H_2O$
Molar mass	266.4 <sup>g</sup> / <sub>mol</sub>
CAS No	10060-12-5

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures



#### **General notes**

Take off contaminated clothing.

#### **Following inhalation**

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following skin contact

After contact with skin, wash immediately with plenty of water. In case of skin reactions, consult a physician.

#### Following eye contact

Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

#### **Following ingestion**

Rinse mouth with water (only if the person is conscious). Call a doctor.

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

Vomiting, Allergic reactions

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

none

### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media



#### Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings! water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

#### Unsuitable extinguishing media

water jet

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

Non-combustible.

#### Hazardous combustion products

In case of fire may be liberated: Hydrogen chloride (HCl)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

### **SECTION 6: Accidental release measures**

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



#### For non-emergency personnel

Avoid contact with skin, eyes and clothes. Do not breathe dust.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

#### Advice on how to contain a spill

Covering of drains. Take up mechanically.

#### Advice on how to clean up a spill

Take up mechanically. Control of dust.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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

#### 7.1 Precautions for safe handling

Avoid dust formation.

#### Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

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

Store in a dry place. Keep container tightly closed. Hygroscopic solid.

#### Incompatible substances or mixtures

Observe hints for combined storage.

#### Protect against external exposure, such as

high temperatures, humidity

#### Consideration of other advice:

#### Specific designs for storage rooms or vessels

Recommended storage temperature: 15 - 25 °C

#### 7.3 Specific end use(s)

No information available.

acc. to Safe Work Australia - Code of Practice

### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 **Control parameters**

#### National limit values

#### **Occupational exposure limit values (Workplace Exposure Limits)**

Coun try	Name of agent	CAS No	Identifi- er	TWA [mg/ m³]	STEL [mg/ m³]	Ceil- ing-C [mg/ m <sup>3</sup> ]	Nota- tion	Source
AU	chromium(III) compounds		WES	0.5			Cr	WES

#### Notation

ſ

Ceiling-C

Cr STEL

Ceiling value is a limit value above which exposure should not occur Calculated as Cr (chromium) Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

TWA hours time-weighted average (unless otherwise specified)

#### Human health values

Relevant DNI	Relevant DNELs and other threshold levels							
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time				
DNEL	2.61 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects				
DNEL	2.61 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects				
DNEL	0.31 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects				
DNEL	0.62 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects				
DNEL	0.37 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic effects				
DNEL	0.37 mg/kg bw/ day	human, dermal	worker (industry)	acute - systemic effects				

#### **Environmental values**

Relevant	Relevant PNECs and other threshold levels								
End- point	Threshold level	Organism	Environmental com- partment	Exposure time					
PNEC	0.025 <sup>mg</sup> /l	aquatic organisms	freshwater	short-term (single instance)					
PNEC	0.008 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)					
PNEC	25.6 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)					
PNEC	0.091 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)					
PNEC	0.03 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)					
PNEC	4.979 <sup>mg</sup> / <sub>kg</sub>	terrestrial organisms	soil	short-term (single instance)					

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

#### 8.2 Exposure controls

#### Individual protection measures (personal protective equipment)

#### Eye/face protection



Use safety goggle with side protection.

#### Skin protection



#### hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a consider-able reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

#### • type of material

NBR (Nitrile rubber)

#### • material thickness

>0,11 mm

#### • breakthrough times of the glove material

>480 minutes (permeation: level 6)

#### other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

#### **Respiratory protection**



Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P2 (filters at least 94 % of airborne particles, colour code: White).

#### **Environmental exposure controls**

Keep away from drains, surface and ground water.

acc. to Safe Work Australia - Code of Practice

### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

## **SECTION 9: Physical and chemical properties**

9.1	Information on basic physical and chemical properties				
	Physical state	solid			
	Form	powder, crystalline			
	Colour	dark green			
	Odour	faintly perceptible			
	Melting point/freezing point	80 – 83 °C at 1,013 hPa			
	Boiling point or initial boiling point and boiling range	not determined			
	Flammability	non-combustible			
	Lower and upper explosion limit	not determined			
	Flash point	not applicable			
	Auto-ignition temperature	not determined			
	Decomposition temperature	>80 °C			
	pH (value)	2.5 (in aqueous solution: 50 <sup>g</sup> / <sub>l</sub> , 25 °C)			
	Kinematic viscosity	not relevant			
	Solubility(ies)				
	Water solubility	585 <sup>g</sup> / <sub>l</sub> at 25 °C (ECHA)			
	Partition coefficient				
	Partition coefficient n-octanol/water (log value):	not relevant (inorganic)			
	Vapour pressure	not determined			
	Density and/or relative density				
	Density	1.76 <sup>g</sup> / <sub>cm³</sub> at 20 °C			
	Relative vapour density	Information on this property is not available.			
	Particle characteristics	No data available.			
	Other safety parameters				
	Oxidising properties	none			
9.2	Other information				
	Information with regard to physical hazard classes:				
	Corrosive to metals	category 1: corrosive to metals			
	Other safety characteristics:	There is no additional information.			

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

It's a reactive substance. Substance or mixture corrosive to metals.

#### **10.2** Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3 Possibility of hazardous reactions

Violent reaction with: Fluorine, Lithium, Strong alkali

#### 10.4 Conditions to avoid

Keep away from heat. Decompositon takes place from temperatures above: >80 °C.

- **10.5 Incompatible materials** different metals
- 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

### **SECTION 11: Toxicological information**

#### **11.1** Information on toxicological effects

#### Classification acc. to GHS

#### Acute toxicity

Harmful if swallowed.

GHS of the United Nations, annex 4. May be harmful in contact with skin.

#### Acute toxicity

Exposure route	Endpoint	Value	Species	Method	Source
dermal	LD50	>2,000 <sup>mg</sup> / <sub>kg</sub>	rat	anhydrous	ECHA
oral	LD50	1,790 <sup>mg</sup> / <sub>kg</sub>	rat		TOXNET

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

#### Carcinogenicity

Shall not be classified as carcinogenic.

#### **Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



#### article number: 9832

#### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

#### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### Symptoms related to the physical, chemical and toxicological characteristics

#### • If swallowed

vomiting, nausea

#### • If in eyes

Data are not available.

#### • If inhaled

Data are not available.

#### • If on skin

Frequently or prolonged contact with skin may cause dermal irritation, May produce an allergic reaction, pruritis, localised redness

#### • Other information

none

#### 11.2 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\ge 0,1\%$ .

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (a	Aquatic toxicity (acute)							
Endpoint	Value	Species	Source	Exposure time				
LC50	11.2 <sup>mg</sup> / <sub>l</sub>	fish	ECHA	96 h				
EC50	3.24 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	ECHA	48 h				
ErC50	2 <sup>mg</sup> / <sub>l</sub>	algae	ECHA	96 h				

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

BCF

110 (ECHA)

#### 12.4 Mobility in soil

Data are not available.

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

#### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

- **12.6** Endocrine disrupting properties Does not contain an endocrine disruptor (ED) at a concentration of  $\ge 0,1\%$ .
- 12.7 Other adverse effects

Data are not available.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

#### Relevant provisions relating to waste(Basel Convention)

#### Properties of waste which render it hazardous

H8 Corrosives

#### 13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

SECTION 14: Transport information			
14.1	UN number		
	UN RTDG	UN 3260	
	IMDG-Code	UN 3260	
	ICAO-TI	UN 3260	
14.2	UN proper shipping name		
	UN RTDG	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	
	IMDG-Code	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	
	ICAO-TI	Corrosive solid, acidic, inorganic, n.o.s.	
	Technical name	Chromium(III) chloride hexahydrate	
14.3	Transport hazard class(es)		
	UN RTDG	8	
	IMDG-Code	8	

acc. to Safe Work Australia - Code of Practice

### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article	number:	9832
articic	mannoer.	<b>JOJZ</b>

article	article number: <b>9832</b>			
	ICAO-TI	8		
14.4	Packing group			
	UN RTDG	III		
	IMDG-Code	III		
	ICAO-TI	III		
14.5	Environmental hazards	hazardous to the aquatic environment		
14.6	Special precautions for user			
	There is no additional information.			
14.7	Transport in bulk according to IMO instruments	5		
	The cargo is not intended to be carried in bulk.			
14.8	Information for each of the UN Model Regulation	ons		
	Transport informationNational regulationsAdd	tional information(UN RTDG)		
	UN number	3260		
	Class	8		
	Environmental hazards	Yes Hazardous to the aquatic environment		
	Packing group	III		
	Danger label(s)	8 Fish and tree		
	Special provisions (SP)	223, 274 UN RTDG		
	Excepted quantities (EQ)	E1 UN RTDG		
	Limited quantities (LQ)	5 kg UN RTDG		
	Emergency Action Code	2X		
	International Maritime Dangerous Goods Code (IMDG) - Additional information			
	Proper shipping name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.		
	Particulars in the shipper's declaration	UN3260, CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S., (Chromium(III) chloride hexahydrate), 8, III, MARINE POLLUTANT		
	Marine pollutant	<b>Yes</b> (hazardous to the aquatic environment)		
	Danger label(s)	8, "Fish and tree"		
	Special provisions (SP)	223, 274		
	Excepted quantities (EQ)	E1		

acc. to Safe Work Australia - Code of Practice

#### Chromium(III) chloride hexahydrate ≥97 %, p.a.



article number: 9832

Limited quantities (LQ)		5 kg
EmS		F-A, S-B
Stowage category		A
Segregation group		1 - Acids
International Civil Avia	ation Organization (ICAO	-IATA/DGR) - Additional information
Proper shipping name		Corrosive solid, acidic, inorganic, n.o.s.
Particulars in the shippe	er's declaration	UN3260, Corrosive solid, acidic, inorganic, n.o.s., (Chromium(III) chloride hexahydrate), 8, III
Environmental hazards		<b>Yes</b> (hazardous to the aquatic environment)
Danger label(s)		8
Special provisions (SP)		A3
Excepted quantities (EQ	)	E1
Limited quantities (LQ)		5 kg

### **SECTION 15: Regulatory information**

**15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture There is no additional information.

### National regulations(Australia)

#### Australian Inventory of Chemical Substances(AICS)

Substance is listed.

#### **Other information**

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

### **National inventories**

Country	Inventory	Status
AU	AIIC	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed

acc. to Safe Work Australia - Code of Practice

### Chromium(III) chloride hexahydrate ≥97 %, p.a.



#### article number: 9832

Country	Inventory	Status
TR	CICR	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed (ACTIVE)
VN	NCI	substance is listed
AIIC CICR CSCL-ENCS DSL ECSI IECSC INSQ KECI NCI NZIOC PICCS REACH Reg. TCSI	CICRChemical Inventory and Control RegulationCSCL-ENCSList of Existing and New Chemical Substances (CSCL-ENCS)DSLDomestic Substances List (DSL)ECSIEC Substance Inventory (EINECS, ELINCS, NLP)IECSCInventory of Existing Chemical Substances Produced or Imported in ChinaINSQNational Inventory of Chemical SubstancesKECIKorea Existing Chemicals InventoryNCINational Chemical InventoryNZIOCNew Zealand Inventory of Chemicals and Chemical Substances (PICCS)PICCSPhilippine Inventory of Chemicals and Chemical Substances (PICCS)REACH Reg.REACH registered substancesTCSITaiwan Chemical Substance Inventory	

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

## **SECTION 16: Other information**

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.	yes
14.8		Emergency Action Code: 2X	yes
15.1		National inventories: change in the listing (table)	yes

#### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations	
BCF	Bioconcentration factor	
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)	
Ceiling-C	Ceiling value	
DGR	Dangerous Goods Regulations (see IATA/DGR)	
DNEL	Derived No-Effect Level	
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval	
ED	Endocrine disruptor	
EINECS	European Inventory of Existing Commercial Chemical Substances	
ELINCS	European List of Notified Chemical Substances	

acc. to Safe Work Australia - Code of Practice

### Chromium(III) chloride hexahydrate ≥97 %, p.a.



#### article number: 9832

Abbr.	Descriptions of used abbreviations	
EmS	Emergency Schedule	
ErC50	= EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control	
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions	
ΙΑΤΑ	International Air Transport Association	
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)	
ICAO	International Civil Aviation Organization	
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air	
IMDG	International Maritime Dangerous Goods Code	
IMDG-Code	International Maritime Dangerous Goods Code	
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval	
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval	
NLP	No-Longer Polymer	
PBT	Persistent, Bioaccumulative and Toxic	
PNEC	Predicted No-Effect Concentration	
STEL	Short-term exposure limit	
TWA	Time-weighted average	
UN RTDG	UN Recommendations on the Transport of Dangerous Good	
vPvB	Very Persistent and very Bioaccumulative	
WES	Safe Work Australia: Workplace exposure standards for airborne contaminants	

#### Key literature references and sources for data

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.