SAFETY DATA SHEET

Date of issue/Date of revision 11 March 2022

Version 7.08



Section 1. Identification

Product code	: 00189922		
Product name	: SIGMAZINC 160 PASTE		
Product type	: Liquid.		
Other means of identification Not available.			
Relevant identified uses of the substance or mixture and uses advised against			
Product use	 Coating. Professional applications, Used by spraying. 		
Uses advised against	: Product is not intended, labelled or packaged for consumer use.		
Supplier's information	: PPG Asian Paints Private Limited 6A Shanti Nagar Santa Cruz (East) Mumbai - 400055 India		
Emergency telephone number:	: +91 22 6815 8700		

Section 2. Hazards identification

Classification of the substance or mixture	 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 5 SKIN CORROSION/IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 81.2% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 21.1%
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	 Flammable liquid and vapour. May be harmful in contact with skin. Causes mild skin irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not breathe vapour.

Section 2. Hazards identification

Response	:	Collect spillage. Get medical advice/attention if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. If skin irritation occurs: Get medical advice or attention.
Storage	1	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture

```
: Mixture
```

CAS number/other identifiers

CAS number	: Not applicable.

Ingredient name	%	CAS number
Zinc powder - zinc dust (stabilized)	50 - 100	7440-66-6
xylene	5 - <10	1330-20-7
1-methoxy-2-propanol	5 - <10	107-98-2
crystalline silica, respirable powder (<10 microns)	3 - <5	14808-60-7
zinc oxide	1 - <3	1314-13-2
ethylbenzene	1 - <3	100-41-4

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects	
Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	May be harmful in contact with skin. Causes mild skin irritation. Defatting to the skin.
Ingestion	No known significant effects or critical hazards.
Over-exposure signs/sympto	ms

Section 4. First aid measures

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Section 6. Accidental release measures

For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and material for con	tainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

		Exposure limits	
kylene		ACGIH TLV (United States, 1/2021). STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.	
1-methoxy-2-propanol		ACGIH TLV (United States, 1/2021). STEL: 369 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 184 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.	
crystalline silica, respirable p	owder (<10 microns)	ACGIH TLV (United States, 1/2021). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable	
zinc oxide		ACGIH TLV (United States, 1/2021). STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction	
ethylbenzene		ACGIH TLV (United States, 1/2021). TWA: 20 ppm 8 hours.	
procedures	of the ventilation or other cont protective equipment. Refere standards. Reference to natio	itoring may be required to determine the effectiveness rol measures and/or the necessity to use respiratory nce should be made to appropriate monitoring onal guidance documents for methods for the ubstances will also be required.	
ppropriate engineering ontrols	ventilation or other engineerin contaminants below any recor	ation. Use process enclosures, local exhaust g controls to keep worker exposure to airborne nmended or statutory limits. The engineering controls r or dust concentrations below any lower explosive entilation equipment.	
 Environmental exposure controls Emissions from ventilation or work process equipment should be checked to they comply with the requirements of environmental protection legislation. I cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. 			
	cases, fume scrubbers, filters	ents of environmental protection legislation. In some or engineering modifications to the process	
	cases, fume scrubbers, filters equipment will be necessary to	ents of environmental protection legislation. In some or engineering modifications to the process	
ontrols	 cases, fume scrubbers, filters equipment will be necessary to es Wash hands, forearms and fa eating, smoking and using the Appropriate techniques should Wash contaminated clothing be 	ents of environmental protection legislation. In some or engineering modifications to the process or reduce emissions to acceptable levels. ce thoroughly after handling chemical products, before lavatory and at the end of the working period. d be used to remove potentially contaminated clothing. before reusing. Ensure that eyewash stations and	
ontrols	 cases, fume scrubbers, filters equipment will be necessary to equipment will be nece	ents of environmental protection legislation. In some or engineering modifications to the process o reduce emissions to acceptable levels. ce thoroughly after handling chemical products, befor lavatory and at the end of the working period. d be used to remove potentially contaminated clothing before reusing. Ensure that eyewash stations and	

Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	Not recommended: nitrile rubber Recommended: butyl rubber, polyvinyl alcohol (PVA), Viton®
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

<u>Appearance</u>						
Physical state	1	Liquid.				
Colour	4	Grey.				
Odour	1	Aromatic.				
Odour threshold	1	Not available.				
Melting point/freezing point	1	Not available.				
Boiling point, initial boiling point, and boiling range	:	>37.78°C (>100°F)				
Flammability	1	Not available.				
Lower and upper explosive (flammable) limits	:	Not available.	lot available.			
Flash point	:	Closed cup: 27°C (80.6°F)				
Auto-ignition temperature	1	Ingredient name	°C	°F	Method	
		1-methoxy-2-propanol	270	518		
Decomposition temperature	:	Not available.			L	
рН	:	Not applicable.				
Viscosity	:	Kinematic (40°C): >21 mm ² /s				
Viscosity	1	60 - 100 s (ISO 6mm)				
Solubility	1	Insoluble in the following mater	ials: cold	water.		
Solubility in water	:	Not available.				

Section 9. Physical and chemical properties

Partition coefficient: n-

: Not applicable.

Vapour pressure			Vapoι	Vapour Pressure at 20°C			Vapour pressure at 50°C		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
		ethylbenzene	9.3	1.2					
Relative density	:	3.05							
Relative vapour density	:	Not available.							
Particle characteristics									
Median particle size	:	Not applicable.							
Evaporation rate	:	Not available.							

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
Hazardous decomposition products	: Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides
Hazardous polymerisation	 Under normal conditions of storage and use, hazardous polymerisation will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure 4 hours	
Zínc powder - zinc dust (stabilized)	LC50 Inhalation Dusts and mists	Rat	>5.4 mg/l		
. ,	LD50 Oral	Rat	>2000 mg/kg	-	
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-	
-	LD50 Oral	Rat	4.3 g/kg	-	
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours	
, i i	LD50 Dermal	Rabbit	13 g/kg	-	
	LD50 Oral	Rat	5.2 g/kg	-	
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m ³	4 hours	
	LD50 Dermal	Rat	>2000 mg/kg	-	
	LD50 Oral	Rat	>5000 mg/kg	-	
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours	
-	LD50 Dermal	Rabbit	17.8 g/kg	-	
	LD50 Oral	Rat	3.5 g/kg	-	

Conclusion/Summary

: There are no data available on the mixture itself.

Section 11. Toxicological information

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-	
Conclusion/Summary						
Skin	: There are no data avai	lable on the mi	xture itself.			
Eyes	: There are no data avai	lable on the mi	xture itself.			
Respiratory	: There are no data avai	lable on the mi	xture itself.			
Sensitisation						
Conclusion/Summary						
Skin	: There are no data available on the mixture itself.					
Respiratory	: There are no data avai	lable on the mi	xture itself.			
<u>Mutagenicity</u>						
Conclusion/Summary	: There are no data avai	lable on the mi	xture itself.			
Carcinogenicity						
Conclusion/Summary	: There are no data available on the mixture itself.					
Reproductive toxicity						
Conclusion/Summary	: There are no data avai	lable on the mi	xture itself.			
<u>Feratogenicity</u>						
Conclusion/Summary	: There are no data avai	lable on the mi	xture itself.			
Specific target organ toxic	ity (single expessive)					

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
1-methoxy-2-propanol	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
	Category 1	inhalation	-
	Category 2	-	hearing organs

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.

Section 11. Toxicological information

		-
Skin contact	:	May be harmful in contact with skin. Causes mild skin irritation. Defatting to the skin.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the phy	<u>/sic</u>	al, chemical and toxicological characteristics
Eye contact	-	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	1	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation redness
		dryness
		cracking
Ingestion	1	No specific data.
	:ts	as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	1	Not available.
Long term exposure		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	S
Not available.		
General	:	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity		No known significant effects or critical hazards.
	1	

Numerical measures of toxicity

2

Acute toxicity estimates

Route	ATE value
Øral	9582.64 mg/kg
Dermal	3851.05 mg/kg
Inhalation (vapours)	122.76 mg/l
Inhalation (dusts and mists)	15.76 mg/l

Other information

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Inc powder - zinc dust (stabilized)	Acute EC50 0.106 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 0.0727 mg/l Fresh water	Daphnia - Daphnia Magna	21 days
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l Fresh water	Fish	96 hours
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae	72 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
·	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
e thylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
₩ylene ethylbenzene	-		-		Readily Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	low
1-methoxy-2-propanol	<1	-	low
ethylbenzene	3.6	79.43	low

<u>Mobility in soil</u>	
Soil/water partition coefficient (Koc)	: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with and unoff and contact with
	soil, waterways, drains and sewers.

India GHS

Section 13 Disposal considerations

shipping name					
Transport hazard class(es)	3	3	3		
Packing group	III		III		
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.		
Marine pollutant substances	Not applicable.	(Zinc powder - zinc dust (stabilized), zinc oxide)	Not applicable.		

Additional information

UN	: None identified.
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

Section 15. Regulatory information

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 11 March 2022
Date of previous issue	: 6/25/2021
Version	: 7.08
Prepared by	: EHS
key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Procedure used to derive the classification

Section 16. Other information

Classification	Justification
FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 5 SKIN CORROSION/IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method

V Indicates information that has changed from previously issued version.

Notice to reader

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.