SAFETY DATA SHEET



The information in this Safety Data Sheet is required pursuant to GHS UN rev. 7

Date of issue/Date of revision 26 April 2024 Version 11.04

Section 1. Identification

Product code	: 00235171
Product name	: PHENGUARD 935 BASE PINK
Product type	: Liquid.
Other means of identification Not available.	1
Relevant identified uses of th	ne 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 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 44.6%
	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 70%
	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 52.4%
GHS label elements	
Hazard pictograms	
Signal word	: Danger

Product code 00235171 Product name PHENGUARD 935 BASE PINK

Section 2. Hazards identification

Hazard statements	:	Flammable liquid and vapour. May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. Harmful 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. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapour. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Response	:	Get medical advice/attention if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor 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. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not	:	Prolonged or repeated contact may dry skin and cause irritation.

result in classification

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

CAS number/other identifiers

CAS number	: Not applicable.
------------	-------------------

Ingredient name	%	CAS number
parium sulfate	25 - <50	7727-43-7
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	20 - <25	28064-14-4
xylene	10 - <20	1330-20-7
2-methylpropan-1-ol	3 - <5	78-83-1
crystalline silica, respirable powder (<10 microns)	3 - <5	14808-60-7
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	 Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. 	
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 effe	<u>cts</u>
Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled.
Skin contact	: May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 harmful 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 sulfur oxides halogenated compounds 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

Environmental precautions : Avoid di and sew pollution to the er Methods and material for containment a Small spill : Stop lea explosio Alternati appropri contract Large spill : Stop lea explosio sewers, effluent combus and plac Dispose	k if without risk. Move containers from spill area. Use spark-proof tools and n-proof equipment. Dilute with water and mop up if water-soluble. vely, or if water-insoluble, absorb with an inert dry material and place in an ate waste disposal container. Dispose of via a licensed waste disposal
Environmental precautions : Avoid di and sew pollution to the en Methods and material for containment a Small spill : Stop lea explosion	ers. Inform the relevant authorities if the product has caused environmental (sewers, waterways, soil or air). Water polluting material. May be harmful ovironment if released in large quantities. <u>nd cleaning up</u> k if without risk. Move containers from spill area. Use spark-proof tools and n-proof equipment. Dilute with water and mop up if water-soluble.
Environmental precautions : Avoid di and sew pollution	ers. Inform the relevant authorities if the product has caused environmental (sewers, waterways, soil or air). Water polluting material. May be harmful
informat	
personnelEvacuat entering No flare Provide inadequFor emergency responders: If special informat	n shall be taken involving any personal risk or without suitable training. e surrounding areas. Keep unnecessary and unprotected personnel from . Do not touch or walk through spilt material. Shut off all ignition sources. s, smoking or flames in hazard area. Do not breathe vapour or mist. adequate ventilation. Wear appropriate respirator when ventilation is ate. Put on appropriate personal protective equipment. lised clothing is required to deal with the spillage, take note of any ion in Section 8 on suitable and unsuitable materials. See also the ion in "For non-emergency personnel".

Section 6. Accidental release measures

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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. 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. Store locked up. 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

Ingredient name	Exposure limits
parium sulfate	ACGIH TLV (United States, 1/2023). TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	fraction
xylene	ACGIH TLV (United States, 1/2023). [p- xylene and mixtures containing p-xylene]
	Ototoxicant.
	TWA: 20 ppm 8 hours.
2-methylpropan-1-ol	ACGIH TLV (United States, 1/2023).
	TWA: 152 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
crystalline silica, respirable powder (<10 microns)	ACGIH TLV (United States, 1/2023). [Silica,
	crystalline]
	TWA: 0.025 mg/m ³ 8 hours. Form:
	Respirable
ethylbenzene	ACGIH TLV (United States, 1/2023).
	Ototoxicant.
	TWA: 20 ppm 8 hours.

Section 8. Exposure controls/personal protection

Recommended monitoring procedures	:	Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measure	<u>es</u>	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin 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		butyl rubber
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.

Physical state Colour	ł	Liquid. Reddish-white.							
Odour	÷	Characteristic.							
Odour threshold	1	Not available.							
Melting point/freezing point	1	Not available.							
Boiling point, initial boiling		>37.78°C (>100°F)							
point, and boiling range	1	-37.78 C (-100 T)							
Flammability	:	Not available.							
Lower and upper explosive (flammable) limits	:	Not available.							
Flash point	1	Closed cup: 27°C (8	80.6°F)						
Auto-ignition temperature	1	Ingredient name		°C	•	°F		Method	
		2-methylpropan-1-ol		415	7	79			
Decomposition temperature	:	Not available.					l		
рН	:	Not applicable.							
Viscosity	:	Kinematic (40°C): >2	21 mm²/s						
		Media Result							
Solubility(ies)	ł	cold water	No	t solubl	е				
Partition coefficient: n- octanol/water	:	Not applicable.							
Vapour pressure	:		Vapou	r Pres	sure at 20)°C	Va	pour pres	sure at 50°C
		Ingredient name	mm Hg	kPa	Metho	d	mm Hg	kPa	Method
		methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2				
Relative density	:	1.78			•				
Relative vapour density	:	Not available.							
Particle characteristics									
Median particle size	1	Not applicable.							
Evaporation rate	÷	Not available.							

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.

Section 10. Stability and reactivity

Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds 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

			Exposure
LD50 Dermal	Rat	>2000 mg/kg	-
LD50 Oral	Rat	>5000 mg/kg	-
LD50 Dermal	Rabbit	1.7 g/kg	-
LD50 Oral	Rat	4.3 g/kg	-
LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
LD50 Dermal	Rabbit	2460 mg/kg	-
LD50 Oral	Rat	2830 mg/kg	-
LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
LD50 Dermal	Rabbit	17.8 g/kg	-
LD50 Oral	Rat	3.5 g/kg	-
	LD50 Dermal LD50 Oral LC50 Inhalation Vapour LD50 Dermal LD50 Oral LC50 Inhalation Vapour LD50 Dermal	LD50 DermalRabbitLD50 OralRatLD50 OralRatLC50 Inhalation VapourRatLD50 DermalRatLD50 OralRatLC50 Inhalation VapourRatLD50 DermalRatLD50 DermalRat	LD50 OralRat>5000 mg/kgLD50 DermalRabbit1.7 g/kgLD50 OralRat4.3 g/kgLC50 Inhalation VapourRat24.6 mg/lLD50 DermalRabbit2460 mg/kgLD50 OralRat2830 mg/kgLC50 Inhalation VapourRat17.8 mg/lLD50 DermalRat17.8 g/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation		
x ylene	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 available on the mixture itself.						
<u>Mutagenicity</u>							
Conclusion/Summary	: There are no data avai	: There are no data available on the mixture itself.					
Carcinogenicity							
Conclusion/Summary	: There are no data avai	lable on the mi	xture itself.				
Reproductive toxicity							
Conclusion/Summary	: There are no data avai	: There are no data available on the mixture itself.					
Teratogenicity							
Conclusion/Summary	: There are no data avai	lable on the mi	xture itself.				
Specific target organ toxici	ity (single exposure)						

Section 11. Toxicological information

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

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
crystalline silica, respirable powder (<10 microns)	Category 1	inhalation	-
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Name	Result
2-methylpropan-1-ol	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 1

Information on likely routes of exposure	;	Not available.
Potential acute health effects	5	
Eye contact	:	Causes serious eye damage.
Inhalation	:	Harmful if inhaled.
Skin contact	:	May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the phy	<u>'sic</u>	cal, chemical and toxicological characteristics
Eye contact	-	Adverse symptoms may include the following: pain watering redness
Inhalation	1	No specific data.
Skin contact		Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	÷	Adverse symptoms may include the following: stomach pains
Delayed and immediate effec	ts	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Long term exposure		

Section 11. Toxicological information

Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	<u>s</u>
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. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	1	No known significant effects or critical hazards.
Reproductive toxicity	1	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Øral	12792.9 mg/kg
Dermal	2623.09 mg/kg
Inhalation (vapours)	26.12 mg/l
Inhalation (dusts and mists)	3.36 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
ethylbenzene	Acute EC50 1100 mg/l	Daphnia	48 hours
	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - <i>Ceriodaphnia dubia</i>	-

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ethylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
<mark>x∕y</mark> lene ethylbenzene	-		-		Readily Readily	

Bioaccumulative potential

India

Section 12. Ecological information

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
2-methylpropan-1-ol	1	-	Low
ethylbenzene	3.6	79.43	Low

: No known significant effects or critical hazards.

Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Other adverse effects	: No known significant effects or crit

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 soil, waterways, drains and sewers.

Section 14. Transport information

	UN	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

UN	: None identified.
IMDG	: None identified.
ΙΑΤΑ	: None identified.

Product code 00235171 Product name PHENGUARD 935 BASE PINK

Date of issue 26 April 2024

Section 14. Transport information

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	: 26 April 2024
Date of previous issue	: 5/20/2021
Version	: 11.04
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

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
ACUTE TOXICITY (dermal) - Category 5	Calculation method
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	Calculation method
SKIN SENSITISATION - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method

✓ 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.