

1. Identification of the preparation and of the company

	atalogue No. roduct Name	:	S 16329 SODIUM SULPHIDE FLAKES	
	lanufacturer/supplie ompany	r identification :	NICE Chemicals (P) Ltd., Cochin, India Tel - 0484 2800212, 2802755	
-	ontact for information mergency Telephone		Tel. No 0484 2802536 Fax : 0484 2802483 0484 2801583 Tele fax No. : 0484 2802483	
2. Composition/Information on Ingredients				
М	AS-No : 27610 Iolar Mass : 78.04 Iolecular Formula	EC	C No. : 215-211-5 Index No. : 016-009-00-8 =7-9)	
3. Hazards I	Identification :	Contact with ac	eids liberates toxic gas. Causes burns.	
4. First Aid		After skin cont After eye conta with th After swallowin	 h : Fresh air. Summon doctor. act : Wash off with plenty of water. Dab with polythene glycol 400. Immediately remove contaminated clothing. ct : Rinse out with plenty of water for at least 10 minutes e eyelid held wide open. Immediately summon eye specialist. ng : Make victim drink plenty of water, (if necessary several pomiting (risk of perforation!). Immediately summon doctor. to neutralize. 	
5. Fire-Figh	iting Measures :	Special risks : The following	uishing media : In adaption to materials stored in the immediate neighbourhood. Development of hazardous combustion gases or vapours possible in the event of fire. may develop in event of fire : Sulphur oxides ion : Non-combustible.	
6. Accidental release Measures :				
		Procedures for	precautionary measures: Avoid generation of dusts; do not inhale dusts. Avoid substance contact. cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area. -protection measures : Do not allow to enter sewerage system.	
7. Handling	•	•) further requirements. tly closed. Dry. Protected from light. At $+15^{\circ}$ C to $+25^{\circ}$ C.	
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8. Exposure controls/ personal protection

Respiratory protection : Required when dusts are generated.



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	Eye protection : Required Hand protection : Required
	Protective clothing should be selected specially for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
	Industrial hygiene : Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance
9. Physical and chemical pr	perties
Melting Boiling t Ignition Flash po Explosic Relative Density Bulk der	limitsLower:Not availableUpper:Not availablevapour density:Not available 20° C):~1.43 gm/cm ³
11. Toxicological informati	n
	Acute toxicity : LD ₅₀ (oral, rat) : 208 mg/kg (anhydrous substance) Further toxicological information : After contact with substance : Danger of eyes, skin, mucous membranes. After swallowing: mucosal irritations, nausea, vomiting, CNS disorders, cyanosis. Symptoms in : gastrointestinal tract. Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.
12. Ecological Information	Behavior in environmental compartments : Evaluation number (FRG) (bacteria) : 5.4 (unhydrous substance); Evaluation number(FRG)(fish): 4.6(unhydrous substance) Evaluation number(FRG)(mammal): 7(unhydrous substance); Ecotoxic effects : Biological effects : Toxic for lower aquatic organisms.



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	Toxic effect on fish and plankton. Endangers drinking- water supplies if allowed to enter soil or water. Harmful effect due to pH shift. Fish toxicity : L.idus LC_{50} : 25 mg/lt. (unhydrous substance) Daphnia atoxicity: Daphnia magna LC_{50} : 7.1 mg/lt. (unhy. substance) Bacterial toxicity : Ps.Putida EC ₅ :1.6 mg/lt.(unhydrous substance) (maximum permissible toxic concentration) Algeal toxicity : M.aeruginosa EC ₅ : 8 mg/lt.(unhydrous substance) (maximum permissible toxic concentration)
	Protozoa : E.sulcatum EC_5 : 14 mg/lt.(unhydrous substance) (maximum permissible toxic concentration)
13. Disposal Method :	Further ecologic data : Do not allow to enter waters, waste water, or soil ! Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non- contaminated packaging may be treated like house-hold waste or recycled.
	There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.
14. Transport information Transport over land ADR/RID & GGVS/GGVE Sea Transport IMDG	 GGVS/GGVE class: 8 Number and letter: 45b ADR/RID class: 8 Number and letter: 45b Name of material: SODIUM SULPHIDE IMDG class: 8 UN No.: 1849 Packing group: II Ems: 8-08 MFAG: 225 Correct Technical Name: SODIUM SULPHIDE
Air Transport ICAO-TI & IATA-DGR	: ICAO/IATA class : 8 UN No. : 1849 Packaging group : II Correct Technical Name : SODIUM SULPHIDE
15. Regulatory Information : Labelling according to EC	Directives
Symbol : C	Corrosive
R-phrases : 31-34	Contact with acids liberates toxic gas. Causes burns.
S-phrases : 26-45	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Water pollution class :	2 (polluting substance)



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16. Other Information : Reason for alteration :

> General update. Addition in the chapter ecology. Addition in the chapter toxicology

> > The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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