

Annex II

Safety Data sheet (Diamond Sulf DS OT 20 HD)

Name of Product: Insoluble Sulphur

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International standard

●PRODUCT AND COMPANY INFORMATION

[S] Product name (as on label): **INSOLUBLE SULPHUR**

[a] Product code: DIAMOND SULF

Supplier:

[s] Name: M/S ORIENTAL CARBON & CHEMICALS LTD

[S] Address: 12th Floor, Hindustan Times House, Kasturba Gandhi Marg,
New Delhi-110001 INDIA

[s] Telephone number: 0091-11-51510751, 0091-11-23315053, 0091-11-23315054

[s] Emergency telephone number : 0091-1274- 242109, 0091-1274- 242110

[s] Telex number

[s] Fax number : 0091-11-23722285

●COMPOSITION / INFORMATION ON INGREDIENTS

[s] substance or preparation : Preparation

For a substance :

A] common chemical name or generic name

[s] synonyms

[a] Chemical Abstract Service Registry Number (CAS number): 9035-99-8/64742-52-5

[I] ingredients contributing to the hazard

For a preparation:

[I] chemical nature : Inorganic

[I] components contributing to hazard : Sulphur

[a] impurities contributing to hazard : Not Applicable

giving for each component or impurity :

[I] chemical or generic name

[I] concentration or concentration range

[I] classification and hazard labeling

classification used system : Not relevant

●HAZARDS IDENTIFICATION

[I] most important hazards

[a] adverse human health effects : Inhalation in long duration causes Bronchitis or Diarrhea

[a] environmental effects : Not applicable

[a] physical and chemical hazards : Not applicable

[I] specific hazards : on burning gives Sox gases

[a] main symptoms : vomiting

[a] classification of preparation : Polymerization of ordinary sulphur

[a] "emergency overview" : Flammable Solid Sulphur dusts may form

flammable or explosive mixture with air. It may cause irritation to eye, skin and respiratory tract

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4.First Aid Measures

[s] information subdivided into sub heading :

- [a] inhalation : Remove to fresh air, give oxygen if required
- [a] skin contact : Use plenty of water
- [a] eye contact : Flush of water
- [a] ingestion : vomit immediately
- [a] brief description of the most important symptoms and effects: Vomiting
- [a] notes to a physician : To prescribe medicine for Vomiting and diarrhea

•FIRE FIGHTING MEASURES

Extinguishing media

- [I] **suitable** : Water , DCP, and Sand
- [a] NOT suitable : Not applicable
- [a] specific hazards : SO_x gas is released on burning

- [a] specific methods : Respiratory and Eye protection required
- [a] protection of fire fighters : self contained Breathing apparatus should be used

•ACCIDENTAL RELEASE MEASURES

- [I] personal precautions : Avoid from heat
- [I] environmental precautions : keep material in proper packing and ventilated storage
- [s] methods for clearing up
 - [a] **recovery** Recovery
 - [a] neutralization Not Applicable
 - [a] disposal Not Applicable
 - [a] prevention of secondary hazards Not Applicable

•HANDLING AND STORAGE

- [I] Handling
- [I] technical measures
- [a] prevention of user exposure :
- [a] prevention of fire and explosion
 - [I] personal precautions : Do proper earthing of equipment
 - [I] safe handling advice : Avoid spillage
 - [I] storage : well ventilated covered storage
 - [I] technical measure : Earthing of loading equipments
- Storage conditions
 - [I] suitable : Well-ventilated and cool godown
 - [a] to be avoided : Heat and Ignition
 - [I] incompatible products : alkaline martial such as Amines
- packaging materials
 - [I] recommended : Paper bags with LDPE liner / Bags with HDPE
 - [a] NOT suitable : Not applicable

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●EXPOSURE CONTROLS / PERSONAL PROTECTION

- [a] engineering measures
- [a] control parameters : Dust level in air
- [a] limit values : LEL 0.035 % in air by volume
- [a] biological standards // : UEL 0.08% in air by volume [a] recommended monitoring procedures : SPM
- [I] personal protective equipment
- [a] respiratory protection : Breathing Apparatus
- [a] hand protection : Gloves
- [a] eye protection : Goggles
- [a] skin and body protection : Safety aprons
- [a] hygiene measures : wash immediately after handling

●PHYSICAL AND CHEMICAL PROPERTIES

- [s] physical state
- [a] form : solid powder
- [s] colour : yellow
- [I] odour : oily
- [I] pH : Not applicable
- [I] point of range of boiling / **melting** /sublimation : 118-120 C
- [a] decomposition temperature
- [I] flashpoint : 270 C
- [a] autoignition temperature : 232 C
- [I] explosion properties : Not applicable
- [a] vapour pressure : 10 mm Hg at 246° C.
- [a] vapour density : Not applicable
- [I] density : 1.58
- [I] solubility : Insoluble
- [a] octanol / water partition coefficient : Not applicable
- [a] other relevant data : Not applicable

●STABILITY AND REACTIVITY

- [I] stability : stable at ambient temperature
- [I] hazardous reactions : Burning may produce Sulfur Oxides.
- [a] conditions to avoid : Heat and Ignition
- [a] materials to avoid : Alkaline
- [I] hazardous decomposition products : SO_x gas on burning

●TOXICOLOGICAL INFORMATION

- [I] acute toxicity : Not applicable

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[I] local effects	:NIL
[a] sensitisation	:NIL
[a] chronic toxicity or long term toxicity	:NIL
[a] specific effects	:NIL

●ECOLOGICAL INFORMATION

[I] possible environmental effects , behavior and fate

[a] mobility : Not applicable

[a] persistence /degradability : Not applicable

[a] bioaccumulation : Not applicable

[a] ecotoxicity :The material is not expected to be toxic

to aquatic life. The LC 50/96 hr. values for fish are over 100 mg/R.

ecological limit values

●DISPOSAL CONSIDERATIONS

[I] waste for residues : Ash

[I] contaminated packaging : Not applicable

●TRANSPORT INFORMATION

Domestic (Land ,D.O.T)

Proper shipping name : Not relevant

Hazard class : None

UN/NA : Not relevant

International (Water ,I.M.O)

Proper Shipping Name : Not relevant

Hazard Class : None

UN/NA : Not relevant

●REGULATORY INFORMATION

[a] regulations specifically applicable to the chemical product

[a] hazard and safety information written on the product label

●OTHER INFORMATION

(further information, which may be important from a safety point of view but not specifically relevant to previous headings)
