

Annex II

Safety Data sheet (Diamond Sulf DS OT 20 HS)

Name of Product: Insoluble Sulphur

Page number /Number of pages: 1/4

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

Annex II

Safety Data sheet (Diamond Sulf DS OT 20 HS)

Name of Product: Insoluble Sulphur

Page number /Number of pages: 2/4

International standard

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

Annex II

Safety Data sheet (Diamond Sulf DS OT 20 HS)

Name of Product: Insoluble Sulphur

Page number /Number of pages: 3/4

International standard

●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

Annex II

Safety Data sheet (Diamond Sulf DS OT 20 HS)

Name of Product: Insoluble Sulphur

Page number /Number of pages: 4/4

International standard

[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)
