

## Annex II

### Safety Data sheet (Diamond Sulf DS 90)

Name of Product: Insoluble Sulphur

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International standard

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#### ●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: 12<sup>th</sup> 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<sub>x</sub> 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<sub>x</sub> 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 )

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