



Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name : Dimethyl Sulfoxide 二甲基亚砷

CAS : 67-68-5

Company Identification

Manufacturer : SOPHIX NATURAL AND AGRO PRODUCTS LTD

Address : 5, Olayinka Owodunni Street, Off Sule Abore, Behind NNPC Filling Station, Ojodu Berger, Lagos

Telephone : +234 7061111838

SECTION 2: Hazards identification

It is harmful to the body when inhaled, ingested or absorbed through the skin. It has a stimulating effect on the eyes, skin, mucous membranes and upper respiratory tract. It can cause allergic reactions in the lungs and skin.

SECTION 4: First aid measures

Description of first aid measures:

Skin contact: Immediately remove the contaminated clothing and thoroughly rinse the skin with soapy water and clean water.

Seek medical attention.

Eye contact: Immediately lift your eyelids and rinse thoroughly with a large amount of flowing water or normal saline for at least 15 minutes. Seek medical attention.

Inhale: Quickly leave the scene to a place with fresh air. Keep the airway clear. If breathing is difficult, administer oxygen. If breathing stops, immediately perform artificial respiration. Seek medical attention.

Ingestion: Drink plenty of warm water, induce vomiting. Seek medical attention.

SECTION 5: Firefighting measures

Flash point: 95



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Flammable limit: 0.6

Ignition temperature: 215

Explosion limit: 42

Hazardous characteristics: It is flammable when exposed to open flames and high heat. It decomposes upon heating, generating toxic sulfur-containing smoke. It can react vigorously with chloroform, trichlorosilane, trichlorophosphine and other halogenated substances.

Fire extinguishing methods: Firefighters must wear protective masks, stay at a safe distance and fight the fire from the upwind direction. Try to move the containers from the fire scene to an open area. Spray water to keep the containers in the fire scene cool until the fire is extinguished. If the containers in the fire scene have changed color or made sounds from the safety pressure relief device, evacuate immediately. Fire extinguishing agents: mist water, foam, dry powder, carbon dioxide, sand.

SECTION6: Handling and storage

Emergency handling for leakage:

Immediately evacuate the personnel in the contaminated area to a safe zone, and set up a 150-meter isolation zone. Strictly restrict access. Cut off the source of fire. It is recommended that emergency responders wear self-contained positive pressure breathing apparatus and wear protective suits. Do not directly touch the leaked substance. Try to cut off the source of leakage. Prevent it from flowing into restricted spaces such as sewers and drainage ditches.

For small leaks: mix with sand, dry lime or soda ash.

For large leaks: build embankments or dig pits to contain them. Cover with foam to reduce the hazard of vapor. Use explosion-proof pumps to transfer to tanker trucks or special collection containers, and recycle or transport to waste disposal sites for disposal.

Storage and Transportation Precautions:

Store in a cool and ventilated warehouse. Keep away from fire sources and heat sources. It should be stored separately from oxidants, reductants, halides, acids, etc., and must not be mixed together. Equip with corresponding types and quantities of fire-fighting equipment. The storage area should be equipped with emergency handling devices for leakage and appropriate containment materials.

SECTION 7: Safety measures

Testing method:

Engineering control: Sealed operation, with comprehensive exhaust ventilation.

Respiratory protection: When the air concentration exceeds the limit, you must wear an automatic self-filtering gas mask (half-face mask). During emergency rescue or evacuation, you should wear an air respirator.

Eye protection: Wear chemical safety goggles.

Body protection: Wear protective clothing against toxic substance penetration

Hand protection: Wear rubber gloves that are resistant to oil.

Other protective measures: Smoking, eating and drinking are prohibited at the work site. After the work is completed, take a shower and change clothes.

SECTION 8: Physical and chemical properties

Melting point: 18.45

Boiling point: 189

Relative density (water = 1): 1.10

Relative density (air = 1): 2.7

Saturated vapor pressure: 0.05(20°C)

Logarithm of the acid/water partition coefficient: No data available

Heat of combustion: No data available

Critical temperature: No data available

Critical pressure: No data available

Solubility: It dissolves in water, ethanol, acetone, ether, chloroform, etc.

SECTION 9: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents

SECTION 10: Toxicological information

Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 11: Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No data available

SECTION 12: Disposal considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 13: Transport information

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SECTION 14: Regulatory information

The Regulations on the Safety Management of Hazardous Chemicals (issued by the State Council on March 15, 2002), the Workplace Safety Use of Chemicals Regulations ([1996] Labor Department Document No. 423], etc., have made corresponding

provisions regarding the safe use, production, storage, transportation, loading and unloading, etc. of hazardous chemicals.

SECTION 15: Other information

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