



MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

SDS reference: INDIA

Issue date: 12/16/2021 Revision date: 6/16/2022 Supersedes: 6/16/2022 Version: 2.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : MICROTHIOL WG
Sulphur 80 WG

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fungicide

1.4. Supplier's details

UPL Limited
CTS No. 610 B/2, Bandra Village,
Off Western Express Highway, Behind Teacher's Colony,
IN- Bandra (East) Mumbai, 400051 – Maharashtra
India
T +91-(022) 7152 8000

1.5. Emergency phone number

Emergency number : This SDS is listed with CHEMTREC. Country specific CHEMTREC emergency numbers stated below are operational 24X7.

Country	Organisation/Company	Emergency number	Comment
India	CHEMTREC	000 800 1007 141	Toll Free
China	CHEMTREC	400 120 4937	Local Number
Hong Kong	CHEMTREC	800 968 793	Toll Free
Japan	CHEMTREC	0800-300-5842	Toll Free
Malaysia	CHEMTREC	+60 3-9212 5794	Local Number
Malaysia	CHEMTREC	1-800-81-5308	Toll Free
Philippines	CHEMTREC	+63 2 8 395 3308	Local Number
Philippines	CHEMTREC	1800 1 116 1020	Toll Free
Taiwan	CHEMTREC	+886 2 7741 4207	Local Number
Taiwan	CHEMTREC	00801-14-8954	Toll Free
Thailand	CHEMTREC	001-800-13-203-9987	Toll Free

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Acute toxicity (oral), Category 5 H303

Acute toxicity (dermal), Category 5 H313

Acute toxicity (inhalation:dust,mist) Not classified

Hazardous to the aquatic environment – Acute Hazard Not classified

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Signal word (GHS UN)

: Warning

Hazard statements (GHS UN)

: H303+H313 - May be harmful if swallowed or in contact with skin

Precautionary statements (GHS UN)

: P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Sulfur	CAS-No.: 7704-34-9	80

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact

: Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact

: Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion

: Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects

: Not expected to present a significant hazard under anticipated conditions of normal use.

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media

: Water spray. Dry powder. Foam. Carbon dioxide. Sand.

Unsuitable extinguishing media

: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire

: Toxic fumes may be released.

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

5.3. Special protective actions for fire-fighters

- | | |
|--------------------------------|--|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. |
|----------------------|--|

6.1.2. For emergency responders

- | | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

- | | |
|-------------------------|--|
| Methods for cleaning up | : Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|------------------------|--|
| Storage conditions | : Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. |
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : Sources of ignition. Direct sunlight. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- | | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls | : Avoid release to the environment. |
| Other information | : Do not eat, drink or smoke during use. |

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves. Wear protective gloves.
Eye protection	: Safety glasses. Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Colour	: Orange.
Odour	: wood.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flammability (solid, gas)	: Non flammable.
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: 168 °C
Auto-ignition temperature	: 241 °C
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not applicable
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.87
Relative vapour density at 20 °C	: Not applicable
Solubility	: Not available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : May be harmful if swallowed.
Acute toxicity (dermal) : May be harmful in contact with skin.
Acute toxicity (inhalation) : Not classified.

MICROTHIOL WG

LD50 oral rat	> 2200 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.4 mg/l

Sulfur (7704-34-9)

LD50 oral rat	> 2000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LC50 Inhalation - Rat	> 5.24 g/m ³ EPA OPP 81-3

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

MICROTHIOL WG

Viscosity, kinematic	Not applicable
----------------------	----------------

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified.

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Hazardous to the aquatic environment, long-term (chronic) : Not classified

MICROTHIOL WG	
LC50 - Fish	> 200 mg/l/96h Common Carp
EC50 Daphnia	> 100 mg/l/48h
ErC50 algae	> 100 mg/l/72h

12.2. Persistence and degradability

MICROTHIOL WG	
Persistence and degradability	Not established.
Sulfur (7704-34-9)	
Persistence and degradability	not persistent. Soil.

12.3. Bioaccumulative potential

MICROTHIOL WG	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

MICROTHIOL WG	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with IMDG / IATA

IMDG	IATA
14.1. UN number	
Not regulated for transport	
14.2. UN Proper Shipping Name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
Not applicable	Not applicable

MICROTHIOL WG

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

IMDG	IATA
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available	

14.6. Special precautions for user

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 16/12/2021
Revision date : 16/06/2022
Supersedes : 16/06/2022

Other information : None.

Full text of H-statements:	
H303	May be harmful if swallowed
H313	May be harmful in contact with skin

Safety Data Sheet (SDS), UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.