MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: 2-(Thiophen-2-yl)ethyl 4-methylbenzenesulfonate

CAS Number: 40412-06-4

Catalog Numbers: BD164177

Supplied By : Moringa Bio Organics

1.2Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory research purposes.Not for drug or household use.

1.3Details of the supplier of the safety data sheet

Company : **Moringa Bio Organics.**
Plot No-24, Road No-5
ALEAP Industrial Estate
Pragati Nagar
Hyderabad-500090, India
Web: https://moringabioorganics.com

2. HAZARDS IDENTIFICATION

2.1Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, oral(Category 4) H302

Skin corrosion/irritation (Category 2) H315

Serious eye damage/eye irritation(Category 2A) H319

Specific target organ toxicity, single exposure;Respiratory system(Category 3) H335

No Resource File

2.2GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards.

Additional precautionary phrases are located throughout the safety data sheet.

3.COMPOSITION, INFORMATION ON INGREDIENTS

Molecular Formula: C13H14O3S2

Molecular Weight: 282.3785

4. FIRST AID MEASURES

4.1Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media: no data

5.2Special hazards arising from the substance or mixture

In combustion toxic fumes may form.

5.3Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Do not attempt to take action without suitable protective clothing.

For personal protection see section 8.

6.2Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river.

Alert the neighbourhood to the presence of fumes or gas.

6.3Methods and materials for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for disposal by an

appropriate method.

6.4Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Ensure there is

sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

7.2Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept

upright to prevent leakage.Inert atmosphere,2-8°C

7.3 Specific end use(s)
The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by

professionals only.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards

such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer

surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and

amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type

P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a fullface supplied air respirator. Use respirators and components tested and approved under appropriate government standards such

as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

8.2

9.1PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Solid or Semi-solid or liquid or lump
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1Reactivity

No data available

10.2Chemical stability

Stable under recommended storage conditions.

10.3Possibility of hazardous reactions

No data available

10.4Conditions to avoid

Not data available

10.5Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide , carbon dioxide , oxides of sulphur

11. TOXICOLOGICAL INFORMATION

11.1Acute Toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye Damage/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

11.2Additional Information

RTECS: Not available

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

12. ECOLOGICAL INFORMATION

12.1Toxicity

No data available

12.2Persistence and degradability

No data available

12.3Bioaccumulative potential

No data available

12.4Mobility in soil

No data available

12.5Results of PBT and vPvB assessment

No data available

12.6Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1Waste treatment methods

Disposal Operations

Consult state, local or national regulations for proper disposal. Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging

Disposal must be made according to official regulations.

14.TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: - IMDG: - IATA: -

14.6 Special precautions for user

No special precautions required

14.7 Further information

No data available

15.REGULATORY INFORMATION

Safety, health and environmental and national regulations:

Product is not subject to any additional regulations or provisions

Safety Assessment

No Chemical Safety Assessment