

# **MATERIAL SAFETY DATA SHEET**

**Product Name** Ethyl 3-nitrobenzoate

A10626 Cat No.:

Supplide By: Moringa Bio Organics

CAS No 618-98-4

No information available **Synonyms** 

Recommended Use Laboratory chemicals.

Uses advised against Food, drug, pesticide or biocidal product use.

Details 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. Hazard(s) identification

Classification This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2

Specific target organ toxicity (single exposure) Category 3

Target Organs - Respiratory system.

**Label Elements** 

Signal Word

Warning

**Hazard Statements** 

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

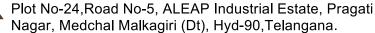
**Precautionary Statements** 

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection











Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. ContinuerinsingIf eye irritation persists: Get medical advice/attention

Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

#### 4. First-aid measures

General Advice If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids, **Eye Contact** 

for at least 15 minutes. Getmedical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes.

If skin irritationpersists, call a physician.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Get

medical attentionif symptoms occur

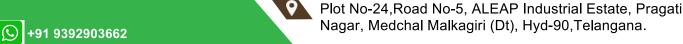
Clean mouth with water and drink afterwards plenty of water. Get medical Ingestion

attentionif symptoms occur.

Most important symptoms and None reasonably foreseeable.

**Effects** 









# 5. Fire-fighting measures

Unsuitable Extinguishing Media No information available

Flash Point No information available

Method - No information available

Autoignition Temperature No information available

**Explosion Limits** 

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Hazardous Combustion Products

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) andfull

protective gear.

## 6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Avoiddust

formation. Environmental Precautions Should not be released into the environment. See Section 12 for additional Ecological

Information. Methods for Containment and Clean

Up

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closedcontainers for disposal.

#### 7. Handling and storage

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Donot get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls / personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.



Plot No-24,Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90,Telangana.





Engineering Measures Ensure that eyewash stations and safety showers are close to the workstationlocation

## **Personal Protective Equipment**

# **Eye/face Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as describedbyOSHA's eye and face protection regulations in 29 CFR 1910.133 or EuropeanStandardEN16

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection** 

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or EuropeanStandardEN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Recommended Filter type:

Particulates filter conforming to EN 143.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical and chemical properties

Physical State Solid Crystalline

Appearance Light yellow

Odor No information available

Odor Threshold No information available

PH No information available

Melting Point/Range  $41 - 44 \,^{\circ}\text{C} / 105.8 - 111.2 \,^{\circ}\text{F}$ 

Boiling Point/Range No information available

Flash Point No information available

Evaporation Rate Not applicable

Flammability (solid,gas ) No information available

Flammability or explosive limits

Upper No data available

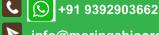
Lower No data available

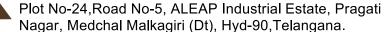
Vapor Pressure No information available

Vapor Density Not applicable

Specific Gravity No information available









Solubility No information available

Partition coefficient; n-octanol/water No data available

No information available **Autoignition Temperature** 

**Decomposition Temperature** No information available

Viscosity Not applicable

Molecular Formula C9 H9 N O4

Molecular Weight 195.18

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products.

**Incompatible Materials** Strong oxidizing agents

Hazardous Decomposition Products None under normal use conditions

Hazardous Polymerization Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

11. Toxicological information

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Mutagenic Effects No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

Teratogenicity No information available.

STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and No information available

delayed

Endocrine Disruptor Information No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.





