

MATERIAL SAFETY DATA SHEET

4-METHYL OCTANOIC ACID NATURAL

1. Identification

- Chemical name 4-Methyloctanoic acid
- Synonyms Isononanoic acid
- Molecular Formula $C_9H_{18}O_2$
- Molecular Weight 158.24
- CAS No. 54947-74-9
- FEMA No. 3575
- EINECS No. 259-404-2
- FDA -
- CoE 11926

2. Hazards identification

- **Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Skin corrosion (Category 1B) H314

- **Label elements**
Labelling according Regulation (EC) No 1272/2008 [CLP]



Pictogram

Signal word Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P280 Wear protective gloves/ protective clothing/ eye protection/ face Protection

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

P310 Immediately call a POISON CENTER or doctor/ physician

Supplemental Hazard none

Statements

- **Other hazards** none

3. Composition/information on ingredients

- 4-Methyloctanoic acid $\geq 98\%$

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4. First aid measures

- **Eye contact:**
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
 - **Skin contact:**
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
 - **Inhalation:**
Remove from exposure and move to fresh air immediately. Get medical aid.
 - **After ingestion:**
Get medical aid. Wash mouth out with water.
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5. Fire-fighting measures

- **General Information:**
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
 - **Extinguishing Media:**
Use water spray, dry chemical, carbon dioxide, or chemical foam.
 - **Special method of fire-fighting**
Cool endangered containers with water spray; Containers may explode when heated.
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6. Accidental release measures

- **General Information:**
Use proper personal protective equipment as indicated in Section 8.
 - **Spills/Leaks:**
Vacuum or sweep up material and place into a suitable disposal container.
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7. Handling and storage

- **Handling:**
Avoid inhalation of vapour or mist.
Normal measures for preventive fire protection.
 - **Storage:**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
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8. Exposure controls and personal protection

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- Technical measures Local exhaust ventilation necessary
 Take precautionary measures against electrostatic charging
 Processing in closed systems, if possible superposed by inert gas (e.g. nitrogen).
- Engineering Controls Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..
- Respiratory protection In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
- Eyes Safety glasses
- Hand Protective gloves
- Skin Wear appropriate protective clothing to prevent skin exposure

9. Physical and chemical properties:

- Form Liquid
- Color Colorless to pale yellow
- Odor Goat, costus, mutton odour
- pH value at 10g/l H₂O N/A
- Boiling point 149 °C at 29 hPa - lit.
- Flash point 113 °C - closed cup
- Melting point N/A
- Explosive properties N/A
- Lower explosion limit N/A
- Upper explosion limit N/A
- Ignition temperature N/A
- Oxidizing properties N/A
- Vapor pressure N/A
- Specific gravity @25°C 0.903-0.917
- Solubility in water N/A
- Organic solvents N/A

10. Stability and reactivity

- Chemical Stability Stable at room temperature in closed containers under normal storage and handling conditions.
- Conditions to Avoid Ignition sources, excess heat, freezing temperatures, confined
- Substances to be avoided Metals, strong oxidizing agents, strong bases.
- Hazardous decomposition Carbon dioxide, carbon monoxide.
- Hazardous Will not occur.

11. Toxicological information

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- Acute toxicity No information available.
- Sensitization No information available.
- Mutagenicity No information available.
- Other Studies See actual entry in RTECS for complete information.

12. Ecological information

- No information available

13. Disposal considerations

- Waste from residues Observe local/national regulations regarding waste disposal
Incinerate in qualified installation with flue gas scrubbing

14. Transport information

- **UN number**
ADR/RID:3265 IMDG:3265 IATA:3265
- **Shipping Name**
ADR/RID: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. ((±)-4-Methyloctanoic acid)
IMDG: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. ((±)-4-Methyloctanoic acid)
IATA: Corrosive liquid, acidic, organic, n.o.s. ((±)-4-Methyloctanoic acid)
- **Hazard Class**
ADR/RID:8 IMDG:8 IATA:8
- **Packing Group**
ADR/RID:III IMDG:III IATA:III

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
no data available
- **Chemical Safety Assessment**
no data available

16. Other information

- Document Number B-N35750-09
- Creation Date Feb. 14, 20
- Revision 9.0

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- Disclaimer

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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