

Material Safety Data Sheet

Section 1 –Chemical Product and company identification

Product Identification : **heptanoic acid**

Company Identification : OUZHOU HENGSHUN CHEMICAL INDUSTRIAL CO.,LTD

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Section 2 - Composition/Information on Ingredients

Chemical name	assay	CAS NO.	EINECS#
Heptanoic acid	99-100	111-14-8	203-838-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Causes burns.

Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns.

Ingestion:

Causes gastrointestinal tract burns.

Inhalation:

May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Chronic:

Not available.

Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 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.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling:

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Controls & Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical & Chemical Properties

Physical State:	Clear liquid
Color:	light yellow - APHA: 20 max
Odor:	unpleasant odor
pH:	Not available.
Vapor Pressure:	< 0.1 mbar @ 20 deg C
Viscosity:	3.40 cP 30 deg C
Boiling Point:	223 deg C @ 760.00mm Hg
Freezing/Melting Point:	-10.5 deg C
Autoignition Temperature:	289 deg C (552.20 deg F)
Flash Point:	> 112 deg C (> 233.60 deg F)

Explosion Limits, lower: 1.10 vol %
Explosion Limits, upper: 10.10 vol %
Decomposition Temperature:
Solubility in water: 0.24G/100ML (15°C)
Specific Gravity/Density: .9180g/cm³
Molecular Formula: CH₃(CH₂)₅CO₂H
Molecular Weight: 130.19

Section 10 - Stability & Reactivity Data

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Oxidizing agents, reducing agents, bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 111-14-8: MJ1575000

LD50/LC50:

CAS# 111-14-8: Oral, mouse: LD50 = 6400 mg/kg; Oral, rat: LD50 = 7 gm/kg.

Carcinogenicity:

Heptanoic acid -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

No information available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - MSDS Transport Information

IATA

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.*

Hazard Class: 8

UN Number: 3265

Packing Group: III

IMO

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3265

Packing Group: III

RID/ADR

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3265

Packing group: III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 111-14-8: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 111-14-8 is listed on Canada's DSL List.

CAS# 111-14-8 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 111-14-8 is listed on the TSCA inventory.

Section 16 - Other Information

Other Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special. Indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.