

Material Safety Data Sheet

Section 1 –Chemical Product and company identification

Product Identification : **hexanoic acid, n-caproic acid 99% MIN**

Company Identification : OUZHOU HENGSHUN CHEMICAL INDUSTRIAL CO.,LTD

No.1 Dongji Rd., Shenjia Development Zone,

Quzhou, Zhejiang, China

Tel: 0086 570 231 6866 Fax: 0086 570 231 6255

E-Mail: contact@hengshunchem.com

Section 2 - Composition/Information on Ingredients

Chemical name	assay	CAS NO.	EINECS#
hexanoic acid	99%	142-62-1	205-550-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin. Causes burns.

Potential Health Effects

Eye:

Causes eye burns. May result in corneal injury.

Skin:

Harmful if absorbed through the 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

First Aid:

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

Fire Fighting Procedures:

USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FPN).

Unusual Fire or Explosion Hazard:

NO EXPLOSION LIMITS ARE AVAILABLE FOR THIS COMPOUND.

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL POWDER OR WATER SPRAY.

Flash Point: Flash Point Text: 219F,104C

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/K

Upper Limit(s): N/K

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 and Storage Precautions:

Other Precautions:

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:	colorless to light yellow
Odor:	stench
pH:	Not available.
Vapor Pressure:	0.24 mbar @ 20 deg C
Viscosity:	mPas 20 deg C
Boiling Point:	202 - 203 deg C @ 760.00mm Hg
Freezing/Melting Point:	-3 deg C
Autoignition Temperature:	380 deg C (716.00 deg F)
Flash Point:	104 deg C (219.20 deg F)
Explosion Limits, lower:	2.00 vol %

Explosion Limits, upper: 10.00 vol %
Decomposition Temperature:
Solubility in water: 1.1% IN WATER (20°C)
Specific Gravity/Density: .9270g/cm³
Molecular Formula: CH₃(CH₂)₄COOH
Molecular Weight: 116.16

Section 10 - Stability & Reactivity Data

Stability Indicator: YES

Materials to Avoid:

INCOMPATIBLE W/STRONG BASES, STRONG REDUCING AGENTS, STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:

CORROSIVE.

Hazardous Decomposition Products:

NONE SPECIFIED BY MANUFACTURER.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NOT RELEVANT

Section 11 - Toxicological Information

RTECS#:

CAS# 142-62-1:

MO5250000

LD50/LC50:

CAS# 142-62-1:

Dermal, guinea pig: LD50 = 5 mL/kg; Draize test,
rabbit, eye:

750 ug Severe; Inhalation,

mouse:

LC50 = 4100 mg/m³/2H;

Oral, mouse:

LD50 = 5 gm/kg; Oral,

rat:

LD50 = 2050 uL/kg; Skin,

rabbit: LD50 = 630 uL/kg.

Irritation:

Skin, rabbit: 10 mg/24H mild

Skin, rabbit: 465 mild

Carcinogenicity:

Hexanoic acid -

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

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecological Information:

Section 13 - Disposal Considerations

Waste Disposal Methods:

DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N). BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AFTERBURNER & SCRUBBER.

Section 14 - MSDS Transport Information

IATA

Shipping Name: CAPROIC ACID

Hazard Class: 8

UN Number: 2829

Packing Group: III

IMO

Shipping Name: CAPROIC ACID

Hazard Class: 8

UN Number: 2829

Packing Group: III

RID/ADR

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 21 Harmful in contact with skin.

R 34 Causes burns.

Safety Phrases:

S 25 Avoid contact with eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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# 142-62-1: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 142-62-1 is listed on Canada's DSL List.

CAS# 142-62-1 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 142-62-1: OEL-RUSSIA: STEL 5 mg/m³

US FEDERAL

TSCA

CAS# 142-62-1 is listed on the TSCA inventory.

Section **16** - Other Information

HAZCOM Label Information

Product Identification: HEXANOIC ACID, 0-7

CAGE: 84898

Assigned Individual: N

Company Name: CHEM SERVICE INC

Company PO Box: 3108

Company Street Address1: N/K

Company Street Address2: WEST CHESTER, PA 19381 US

Health Emergency Telephone: 215-692-3026

Label Required Indicator: Y

Date Label Reviewed: 12/04/1995

Status Code: C

Manufacturer's Label Number:

Date of Label: 12/04/1995

Year Procured: N/K

Organization Code: G

Chronic Hazard Indicator: N

Eye Protection Indicator: YES

Skin Protection Indicator: YES

Respiratory Protection Indicator: YES

Signal Word: WARNING
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Slight
Reactivity Hazard: None

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