

## Shenyang Emily Chemical Trade Co.. LTD

No.185 Xingshun Street, Tiexi District, Shenyang, Liaoning province, China

# MATERIAL SAFETY DATA SHEET(MSDS)

Date: Mar. 15<sup>th</sup>, 2019

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### SECTION ONE

PRODUCT NAME:	2-Ethylhexanoic Acid
Chemical description:	2-Ethylhexanoic Acid
Intended use:	auxiliaries for the thermoset industry
Manufacturer:	Shenyang Emily Chemical Trade Co., LTD
CAS No.:	149-57-5
Molecular Formula:	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>
Molecular Weight:	144.24

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### SECTION TWO COMPONENT

component:	2-EthylhexanoicAcid
Purity:	≥99%
CAS No.:	149-57-5

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### SECTION THREE HAZARD IDENTIFICATION

Irritating to skin

May cause sensitization by skin contact

Harmful: may cause lung damage if swallowed

Warning label items including precautionary statement:

Pictogram:



UN No. 3265 CL:8 PG:II

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### SECTION FOUR FIRST AID MEASURES

Inhalation: move to fresh air, rest, half upright position, loosen clothing, in all cases of doubt, or when symptoms persist, seek medical attention

Skin: remove all contaminated clothing immediately, wash off with plenty of soap and water, seek medical advice if irritation develops, launder clothes before reuse

Eye: Rinse thoroughly with plenty of water. eyelids should be held away from the eyeball to ensure thorough rinsing, seek medical advice if irritation develops.

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### SECTION FIVE FIRE FIGHTING MEASURES

Extinguishing media: carbon dioxide, waterspray, foam, fire-extinguishing powder

Unsuitable extinguishing media: halones

Special exposure hazards :in case of fire, do no breathe fumes

Protective equipment: wear suitable protective clothing

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### SECTION SIX LEAKAGE EMERGENCY TREATMENT

Individual defend: wear safe chemical clothes

Enviromental protection: prohibit discharging without effluent disposal

Depurate/absorb: handling according to the requirement of department of national and local environmental protection. Small quantity leakage: lift it with a clean shovel into a dry and clean container, and then move it to other place. A great number of leakage: cut off the fire. Cover the leakage with sand or soil. And then lift it to a dry and clean container. Then marking it clearly.

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#### **SECTION SEVEN      HANDLING AND STORAGE**

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Handling: Do not pipet by mouth. Do not mix with organic peroxides

Fire and explosion prevention: The usual precautions for handling chemicals should be observed

Storage requirements: Store in a cool, dry place, separated from food, do not mix with organic peroxides. keep container upright to prevent leakage.

Other information: when using do not eat drink or smoke. wash thoroughly after handling. keep working clothing separately and do not take them home

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#### **SECTION EIGHT      INDIVIDUAL DEFEND**

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Engineering control: Obturation operation

Breathing protective: when the concentration of air exceeds regular standard, must wear gas mask.

Eye protective: wear safe chemical defend glasses.

Body protective: wear gas defend clothes.

Hand protective: wear rubber gloves.

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#### **SECTION NINE      PHYSICAL DATA**

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Form: Liquid      Purity:  $\geq 99\%$       Colour: clear transparent even oiled liquid

Density @ 20 °C: 0.905-0.915      Acid value mg KOH/g:  $\geq 385$

Viscosity 20 °C:  $7.7 \times 10^{-3}$  Pa . S      Boiling point 760 mm Hg: 228°C

Solidifying point: - 118 °C      RefractiveIndex20°C: 1.424–1.425 n<sub>2</sub>

Stability of Solution : transparent and no educt

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#### **SECTION TEN      STABILITY AND REACTIVITY**

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Stability: stable under the situation of regular use and storage

Imprison compound: strong oxidizer

Contact control: fire, heat, moisture, flour and incompatible material

Polymerizing hazard: no polymerization

Dangerous decomposed material: CO, and CO<sub>2</sub>

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#### **SECTION ELEVEN      TOXICOLOGICAL INFORMATION**

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Acute toxicity: LD<sub>50</sub>(mg/kg): 3000

Generative toxicity: no relevant

Biohazard: no relevant

Skin contact: no relevant

Eye contact: no relevant

Inhalation: no relevant

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#### **SECTION TWELVE      ECOLOGICAL INFORMATION**

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Biodegradation: no relevant

Other hazard: hazard for the environment, please don't let it in

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#### **SECTION THIRTEEN      SALVAGED MATERIAL**

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Type of salvage: no relevant

Handling of salvage: According to the requirement of department of national and local environmental protection.

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**SECTION FOURTEEN TRANSPORTATION INFORMATION**

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Marine pollutant: no relevant

Proper shipping name: UN No. 3265 CL:8 according to national and international transport regulations.

Packing group: PG:II

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**SECTION FIFTEEN LAWS AND REGULATIONS**

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Handling it according to safety regulations for dangerous chemical goods and its specification, safety in the use of chemicals at work.

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**SECTION SIXTEEN OTHER INFORMATION**

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