

# MATERIAL SAFETY DATA SHEET

2-Ethylhexanoic Acid, 99%

## SECTION 1 . Product and Company Identification

Product Name and Synonym: 2-Ethylhexanoic Acid, 99%

Product Code: E8500

Material Uses:

Manufacturer: Science Stuff  
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 6/4/2013

Print Date: 6/4/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300

Canutec 613-996-6666

Health:	2
Flammability:	1
Reactivity:	0

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	2-Ethylhexanoic Acid, 99%	CAS#: 149-57-5	99%	V/V	

## SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon Dioxide, dry chemical, powder, or foam.

Fire / Explosion Hazards: Material will burn in a fire.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

**SECTION 7 HANDLING AND STORAGE**

Keep away from heat and flame. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator.  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure.  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	59°C	Percent Volatile by Volume:	Information not available
Boiling Point:	590°C	Evaporation Rate	Information not available
Vapor Pressure:	(< 0.01 mmHg) at 20 °C	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	371°C
Solubility in Water:	No data available	Lower Flamm. Limit in Air	0.9%
Appearance /Odors:	Clear liquid.colorless	Upper Flamm. Limit in Air	6.7%
Flash Point:	114°C		
Specific Gravity:	Information not available		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: None known  
Materials to Avoid: Bases, Oxidizing agents, Reducing agents  
Hazardous Decomposition Products: Not known to occur  
Hazardous polymerization: Carbon oxides  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

## 2-Ethylhexanoic Acid, 99%

Acute toxicity  
LD50 Oral - rat - 3,000 mg/kg  
LD50 Dermal - rabbit - 1,142 mg/kg  
Skin corrosion/irritation  
Serious eye damage/eye irritation  
Eyes - rabbit - Severe eye irritation  
Respiratory or skin sensitization  
no data available  
Germ cell mutagenicity  
Genotoxicity in vitro - Human - lymphocyte  
Sister chromatid exchange  
Carcinogenicity  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
Reproductive toxicity  
Suspected human reproductive toxicant  
Developmental Toxicity - rat - Oral  
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).  
Developmental Toxicity - rat - Oral  
Specific Developmental Abnormalities: Musculoskeletal system. Specific Developmental Abnormalities: Cardiovascular (circulatory) system. Specific Developmental Abnormalities: Urogenital system.  
Specific target organ toxicity - single exposure (Globally Harmonized System)  
no data available  
Specific target organ toxicity - repeated exposure (Globally Harmonized System)  
no data available  
Aspiration hazard  
no data available  
Potential health effects  
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.  
Ingestion May be harmful if swallowed.  
Skin Causes skin irritation.  
Eyes Causes eye irritation.  
Signs and Symptoms of Exposure  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### SECTION 12 Ecological Information

Toxicity  
no data available  
Persistence and degradability  
no data available  
Bioaccumulative potential  
no data available  
Mobility in soil  
no data available  
PBT and vPvB assessment  
no data available  
Other adverse effects  
no data available

### SECTION 13 Disposal Considerations

Product  
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.  
Contaminated packaging  
Dispose of as unused product.

### SECTION 14 Transport Information

DOT (US)  
Not dangerous goods

2-Ethylhexanoic Acid, 99%

IMDG  
Not dangerous goods  
IATA  
Not dangerous goods

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

OSHA Hazards  
Target Organ Effect, Harmful by skin absorption., Irritant  
DSL Status  
All components of this product are on the Canadian DSL list.  
SARA 302 Components  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
SARA 313 Components  
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.  
SARA 311/312 Hazards  
Acute Health Hazard, Chronic Health Hazard  
Massachusetts Right To Know Components  
No components are subject to the Massachusetts Right to Know Act.  
Pennsylvania Right To Know Components  
2-Ethylhexanoic acid  
CAS-No.  
149-57-5  
New Jersey Right To Know Components  
2-Ethylhexanoic acid  
CAS-No.  
149-57-5  
Revision Date  
2007-03-01  
California Prop. 65 Components  
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16 Additional Information**

Flammability

Health

Reactivity

Revisions

NFPA

	0.1	Creation date LS
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