



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: 2-ETHYLHEXANOIC ACID

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: 2EHA
Manufacturer's Product Code: 16897
Recommended Use: Chemical Intermediate

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols: Xn - Harmful
Risk Phrases: R63 - Possible risk of harm to the unborn child
Safety Phrases: S2 - Keep out of the reach of children
S36/37 - Wear suitable protective clothing and gloves

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
2-Ethylhexanoic Acid	149-57-5	> 99

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical attention

Skin: If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Combustible liquid. Use foam, dry agent or carbon dioxide.

Hazards from combustion products: A combustible liquid. When heated to decomposition, emits acrid smoke and irritating fumes.

Precautions for Fire Fighters and Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Additional Information: Hazchem code 2X.

Product: 2-ETHYLHEXANOIC ACID

SECTION 6 ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Shut off all sources of ignition. Increase ventilation. Clear area of all unprotected personnel. Stop leak if safe to do so. Absorb with dry earth, sand or other non-combustible and inert material. Use non-sparking tools. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. Do not allow material to enter waterways.

Methods and Materials for Containment and Clean Up Procedures: For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Retain as contaminated waste. Allow and residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling and Storage: Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.

Dispensing: Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

Flammability: Combustible

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: No exposure standards have been set by National Occupational Health & Safety Commission (NOHSC).

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

Respiratory Protection: If inhalation risk exists an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.

Hand Protection: Use solvent resistant gloves (nitrile, PVC or neoprene).

Eye Protection: Wear safety goggles.

Protective Clothing: Use chemical resistant glove/gauntlets, boots and apron.

Engineering Controls: Ensure that adequate ventilation is provided. exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

SECTION 9 IDENTIFICATION

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance:	Colourless Clear Liquid
Odour:	Unpleasant
pH:	3 @ 1.4g/l 25 Deg C
Vapour Pressure (mmHg @ 20°C):	0.004
Vapour Density (air = 1):	N/A
Boiling Point (°C):	220
Freezing/Melting Point (°C):	-118
Solubility in Water:	Practically Insoluble
Specific Gravity (g/ml @ 15°C):	0.91
Flashpoint (°C):	> 110
Flammability Limits (%):	0.9 - 6.7
Auto Ignition Temperature (°C):	310
Percent Volatiles:	0

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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide and acrid smoke.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Will cause irritation to the mouth and stomach. Symptoms may include nausea, vomiting and headaches.

Eye: Will cause irritation which will result in redness, stinging and possible corneal injury. May cause corneal burns.

Skin: Contact with skin will result in irritation resulting in redness itching and possible transient dermatitis. May cause burns.

Inhaled: Low vapour pressure makes a negligible hazard at ambient temperature. At higher temperatures breathing in vapour can produce irritation to mucous membrane and upper airways, which will result in coughing and breathing difficulties.

Chronic: Prolonged or repeated contact with this material will result in irritation leading to possible second degree burns. Possible risk of harm to the unborn child.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Oral LD50 (rat) : 3000 mg/kg

Skin LD50 (rabbit) : 1142 mg/kg

Eye (rabbit) : Severe irritation

Mobility: No data available.

Persistence/degradability: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number:	3265	Proper Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S (CONTAINS 2-ETHYLHEXANOIC ACID)
Class:	8	Subsidiary Risk:	None allocated
Packing Group:	III	Hazchem Code:	2X
Special Precautions for User:	None		

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : None Allocated

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010): 36

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
