



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>2-ETHYLHEXANOIC ACID</b>
<b>Other Names</b>	2EHA
<b>Manufacturer's Product Code</b>	16897
<b>Recommended Use</b>	Chemical intermediate

### Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au

### Emergency Telephone Numbers

Business Hours:	(07) 3308 5200
After Hours:	1300 131 001
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

## SECTION 2 HAZARDS IDENTIFICATION

<b>Hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

<b>Signal Word</b>	<b>WARNING</b>
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Hazardous chemical classification	Pictogram	Hazard statement
Reproductive Toxicity, Category 2	 HEALTH HAZARD	H361 Suspected of damaging fertility or the unborn child
Skin Corrosion/Irritation, Category 2	 EXCLAMATION MARK	H315 Causes skin irritation

**Product: 2-ETHYLHEXANOIC ACID****Precautionary statements:**

<i>GENERAL</i>	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
<i>PREVENTATIVE</i>	
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash thoroughly after handling
P280	Wear protective gloves
P281	Use personal protective equipment as required
<i>RESPONSE</i>	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P308 + P313	IF exposed or concerned: Get medical advice/attention
P332 + P313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
<i>STORAGE</i>	
P405	Store locked up
<i>DISPOSAL</i>	
P501	Dispose of contents/container in accordance with local regulations

**SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS****Ingredients Names and Proportions**

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

**SECTION 4 FIRST AID MEASURES****Description of necessary first aid measures**

Inhalation:	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
Skin Contact:	If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If any irritation persists, seek medical attention
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical attention
Ingestion:	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment

**Symptoms caused by exposure**

Inhalation:	May result in coughing and breathing difficulties
Skin:	May include redness, itching and possible transient dermatitis. May cause burns.
Eye:	May cause redness, stinging and possible corneal injury. May cause corneal burns
Ingestion:	May result in nausea, vomiting and headaches

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Use foam, dry agent or carbon dioxide.

**Specific hazards arising from the chemical**

When heated to decomposition, emits acrid smoke and irritating fumes.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus. Hazchem code 2X.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Ventilate contaminated area thoroughly.

**Environmental precautions**

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers.

**Methods and materials for containment and cleaning up**

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.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for safe handling**

Avoid breathing of or contact with material. Wash thoroughly after handling. Use in well ventilated areas. 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.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

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**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**Exposure control measures**

National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has not established exposure standards for this product.

**Biological monitoring**

No biological limit allocated.

**Engineering controls**

Ensure that adequate ventilation is provided. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

**Product: 2-ETHYLHEXANOIC ACID****Individual protection measures**

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Colourless clear liquid
Odour:	Unpleasant
Odour threshold (ppm):	Data not available
pH (1.4g/L @ 25°C):	3.0
Melting point/freezing point (°C):	-118
Initial boiling point and boiling range (°C):	220
Flash point (°C):	> 110
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Data not available
Upper/lower flammability or explosive limits (%):	0.9 – 6.7
Vapour pressure (mmHg @ 20°C):	0.004
Vapour density (air = 1):	Data not available
Density (g/ml @ 15°C):	0.91
Solubility:	Practically insoluble
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	310
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	Data not available

**SECTION 10 STABILITY AND REACTIVITY****Reactivity**

Stable under normal conditions of use.

**Chemical stability**

Stable under normal conditions of use.

**Possibility of hazardous reactions**

Stable under normal conditions of use.

**Product: 2-ETHYLHEXANOIC ACID****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**

Acute toxicity:	Oral LD50 (rat): 3000 mg/kg Skin LD50 (rabbit): 1142 mg/kg Eye (rabbit): Severe irritant
Skin corrosion/irritation:	Irritant. May cause burns
Serious eye damage/irritation:	Irritant. May cause corneal burns. Treat promptly
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	Not expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic
Reproductive toxicity:	Suspected of damaging fertility or the unborn child
Specific Target Organ Toxicity (STOT) – single exposure:	Will cause irritation to the mouth and stomach if swallowed
Specific Target Organ Toxicity (STOT) – repeated exposure:	Prolonged or repeated contact with this material will result in irritation leading to possible second degree burns
Aspiration hazard:	No aspiration hazard expected

**SECTION 12 ECOLOGICAL INFORMATION****Ecotoxicity**

Acute toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

**Persistence and degradability**

Data not available.

**Product: 2-ETHYLHEXANOIC ACID****Bioaccumulative potential**

Data not available.

**Mobility in soil**

Data not available.

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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<b>UN number:</b>	3265
<b>Proper shipping name:</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS 2-ETHYLHEXANOIC ACID)
<b>Australian Dangerous Goods class:</b>	8
<b>Australian Dangerous Goods packing group:</b>	III
<b>Hazchem code:</b>	2X

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**SECTION 15 REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	Not scheduled
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	36

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**SECTION 16 OTHER INFORMATION**

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Date of preparation:	27/03/2017
Revision number:	5
Changes in this revision:	Updated hazard classification

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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