

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Product form : Substance
 Substance name : 2-Ethylhexanoic Acid
 CAS-No. : 149-57-5
 Product code : 00006
 Formula : C₄H₉CH(C₂H₅)COOH

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses and restrictions : Industrial use

1.3. Supplier's details

Supplier

Dober Chemical Corp
 543 Forest Road
 18202 Hazle Township, PA - US
 T 630-410-7300 - F 630-410-7444
regulatory@dober.com - www.dober.com

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2014)

Repr. 2 H361

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2014)

Hazard pictograms (GHS-MY) :



GHS08

Signal word (GHS MY) : Warning
 Hazard statements (GHS MY) : H361 - Suspected of damaging fertility or the unborn child.
 Precautionary statements (GHS MY) : P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P281 - Use personal protective equipment as required.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Name : 2-Ethylhexanoic Acid
 CAS-No. : 149-57-5

Name	Product identifier	%	Classification according to the United Nations GHS (Rev. 4, 2011)
2-Ethylhexanoic Acid	(CAS-No.) 149-57-5	>= 80	Flam. Liq. Not classified Repr. 2, H361d Aquatic Acute Not classified

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

2-Ethylhexanoic Acid

Safety Data Sheet

According to the occupational safety and health (classification, labelling, and safety data sheet of hazardous chemicals) Regulation 2013

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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8.4. Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Colour	: Colorless
Odour	: Pungent
Odour threshold	: No data available
pH	: No data available
Melting point, Freezing point	: Melting point: Not applicable Freezing point: -118 °C
Boiling point	: 227.8 °C
Flash point	: 124.4 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Vapour pressure: ≤ 0.01 mm Hg @ 20C
Evaporation rate	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Minimum ignition energy	: No data available
Solubility	: Water: 0.1 %
Density	: Density: 0.908 g/ml Relative density: 0.908 (20C/20C)
Relative density	: Relative vapour density at 20 °C: 5
Viscosity	: Viscosity, dynamic: 7.7 cP
VOC content	: Not Available

SECTION 10: Stability and reactivity

Chemical stability	: Stable under recommended handling and storage conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced
Incompatible materials	: Avoid contact with :amines,Ammonia,Strong bases,copper,Copper alloys,Carbon steel
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Not classified.
Acute toxicity (dermal)	: Dermal: Not classified.
Acute toxicity (inhalation)	: Not classified

2-Ethylhexanoic Acid (149-57-5)

LD50 oral rat	2043 mg/kg
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2-Ethylhexanoic Acid

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2-Ethylhexanoic Acid (149-57-5)	
LD50 dermal rat	> 2000 mg/kg
2-Ethylhexanoic Acid (149-57-5)	
LD50 oral	2043 mg/kg
LD50 dermal	1140 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

2-Ethylhexanoic Acid (149-57-5)	
Viscosity, kinematic (calculated value) (40 °C)	8.48017621 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Unknown hazards to the aquatic environment (GHS-MY)	: Contains 0.8 % of components with unknown hazards to the aquatic environment
Acute aquatic toxicity	: Not classified.
Chronic aquatic toxicity	: Not classified

2-Ethylhexanoic Acid (149-57-5)	
LC50 fish 1	70 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish 2	180 mg/kg (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	85.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)

2-Ethylhexanoic Acid (149-57-5)	
EC50 Daphnia 1	85.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	61 mg/l (Species: Desmodesmus subspicatus)
Log Pow	2.7

12.2. Persistence and degradability

2-Ethylhexanoic Acid (149-57-5)	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

2-Ethylhexanoic Acid (149-57-5)	
Bioaccumulative potential	No additional information available

2-Ethylhexanoic Acid (149-57-5)	
Log Pow	See section 12.1 on ecotoxicology

12.4. Mobility in soil

2-Ethylhexanoic Acid (149-57-5)	
Mobility in soil	No additional information available

2-Ethylhexanoic Acid (149-57-5)	
Log Pow	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified
GWPMix comment	: No known effects from this product.
Other adverse effects	: No additional information available

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According to the occupational safety and health (classification, labelling, and safety data sheet of hazardous chemicals) Regulation 2013

SECTION 13: Disposal information

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transportation information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : Non Regulated

Proper Shipping Name (IMDG) : Non Regulated

Proper Shipping Name (IATA) : Non Regulated

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (UN RTDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- UN RTDG

No data available

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

14.8. 14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No additional information available

15.2. 15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Version : 1.0

Date of issue : 12/4/2017

2-Ethylhexanoic Acid

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According to the occupational safety and health (classification, labelling, and safety data sheet of hazardous chemicals) Regulation 2013

Revision date : 04/12/2017

Abbreviations and acronyms : ATE - Acute Toxicity Estimate
BCF - Bioconcentration factor
EC50 - Median effective concentration
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose

Other information : None.

Full text of H-statements:

Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment - Acute Hazard Not classified
Flam. Liq. Not classified	Flammable liquids Not classified
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.

SDS Malaysia - Dober

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.