

Section 1. Product and Company Identification

Product Name 2-Ethylhexyl Acetate
CAS Number 103-09-3

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Section 2. Hazards Identification

Classification of the substance or mixture

Hazard classification

Physical hazards

Flammable liquids: Category 4

Health hazards

Skin corrosion/irritation: Category 2

GHS Label Elements

Pictograms:



Signal word: WARNING!

Hazard and precautionary statements

Hazard Statement(s)

H227: Combustible liquid.

H315: Causes skin irritation.

Precautionary statement

Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P370 + 378: In case of fire: Use water spray, carbon dioxide, dry chemical or foam for extinction.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.



P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None known.

Section 3. Composition / Information on Ingredients

Common Name 2-Ethylhexyl Acetate
CAS Number 103-09-3

COMPONENT	CAS NUMBER	CONCENTRATION
2-Ethylhexyl Acetate	103-09-3	100%

Section 4. First Aid Measures

Inhalation: Treat symptomatically. Move to fresh air. Get medical attention if symptoms persist.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion: Seek medical advice.

Most important symptoms and effects, both acute and delayed: May irritate and cause redness and pain.

Indication of any immediate medical attention and special treatment needed

Hazards: None known.

Treatment: Treat symptomatically.

Section 5. Firefighting Measures

General fire hazards: Combustible liquid and vapor. USE WATER WITH CAUTION. Material will float and may ignite on surface of water.

Extinguishing media

Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide. Foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: None known



Advice for firefighters

Special firefighting procedures: Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Environmental precautions: Avoid release to the environment.

Methods and material for containment and cleaning up: Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Large Spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Keep container closed.

Specific end use(s): Solvent

Section 8. Exposure Controls / Personal Protection

Control parameters

Occupational exposure limits: Country specific exposure limits have not been established or are not applicable unless listed below.

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Eye bath. Washing facilities. Safety shower.

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact.

Skin protection

Hand protection: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Other: No data available.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.

Section 9. Physical and Chemical Properties

Physical State: Liquid

Form: Liquid

Color: Colorless

Odor: Sweet

Odor Threshold: 0.007 ppm

pH: No data available.

Freezing Point: -93 °C

Boiling Point: 199 °C

Flash Point: 71 °C (Tag closed cup)

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%):- No data available.

Flammability Limit - Lower (%):- No data available.

Vapor pressure: 0.532 mbar (20 °C)

Vapor density (air=1): 5.9

Specific Gravity: 0.873 (20 °C)

Solubility in Water: Slightly Soluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: (DTA) No exotherm

Dynamic Viscosity: No data available.

Kinematic viscosity: No data available.

Explosive properties: No data available.

Oxidizing properties: No data available.

Minimum ignition temperature: 268 °C (ASTM D2155)

Section 10. Stability and Reactivity

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: Incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon Dioxide. Carbon Monoxide.

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: None known.

Ingestion: None known.

Skin contact: Causes skin irritation.

Eye contact: None known.

Information on toxicological effects

Acute Toxicity

Oral: 2-ethylhexyl acetate

Oral LD-50: (Rat): > 3,200 mg/kg

Oral LD-50: (Rat): 5,890 mg/kg

Oral LD-50: (Mouse): > 3,200 mg/kg

Dermal: 2-ethylhexyl acetate

Dermal LD-50: (Guinea Pig): > 17,460 mg/kg

Dermal LD-50: (Rabbit): > 5,000 mg/kg

Inhalation

No data available.

Repeated dose toxicity: No data available.

Skin corrosion/irritation

(Guinea Pig, 24 h): moderate

Serious eye damage/eye irritation: (Rabbit): Slight

Respiratory or skin sensitization: (Human) - Not a skin sensitizer.

Mutagenicity

In vitro: No data available.

In vivo: No data available.



Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

Other adverse effects: No data available.

Section 12. Ecological Information

Toxicity

Acute toxicity

Fish: No data available.

Aquatic invertebrates: No data available.

Chronic Toxicity

Fish: No data available.

Aquatic invertebrates: No data available.

Toxicity to Aquatic Plants: No data available.

Persistence and degradability

Biodegradation: 2-ethylhexyl acetate

No data available.

Biological Oxygen Demand: No data available.

Chemical Oxygen Demand: No data available.

BOD/COD ratio: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.



Section 14. Transport Information

DOT:

Not regulated for quantities < 119 gallons (non-bulk)

Class combustible liquid, Packing group III for quantities of 450 liters (119 gallons) or more

Possible Shipping Description(s): NA 1993, Combustible liquid, n.o.s. (2-ethylhexyl acetate), Class 3, PG III

IMDG: - International Maritime Dangerous Goods Code

Class not regulated

Possible Shipping Description(s): not regulated

IATA:

Class not regulated

Possible Shipping Description(s): not regulated

Section 15. Regulatory Information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: controlled

WHMIS (Canada) Hazard Classification: B/3, D/2/B

SARA 311-312 Hazard Classification(s):

immediate (acute) health hazard

fire hazard

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List

NONE

OSHA: hazardous

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.KE-00048



Philippines Inventory (PICCS): This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 7/20/2015

