

Section 1. Product and Company Identification

Product Name Isononyl Acetate
CAS Number 58430-94-7

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS US Classification

Flam. Liq. 4 H227
Skin Irrit. 2 H315
Aquatic Chronic 2 H411

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements (GHS-US)

H227 - Combustible liquid
H315 - Causes skin irritation
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P264 - Wash hands thoroughly after handling
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P321 - Specific treatment (see ... on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P370+P378 - In case of fire: Use ... to extinguish
P391 - Collect spillage
P403+P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose in a safe manner in accordance with local/national regulations

Other Hazards: No additional information available

Section 3. Composition / Information on Ingredients

Common Name Isononyl Acetate
Synonym(s) 1-hexanol, 3,5,5-trimethyl-, acetate; 3,5,5-trimethylhexyl acetic acid; acetic acid, 3,5,5-trimethylhexyl ester;
Formula $C_{11}H_{22}O_2$
CAS Number 58430-94-7

COMPONENT	CAS NUMBER	CONCENTRATION
Isononyl Acetate	58430-94-7	100%

Section 4. First Aid Measures

First-Aid Measures

General: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

Inhalation: Remove the victim into fresh air.

Skin contact: Wash immediately with lots of water (15 minutes)/shower.

Eye contact: Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist if irritation persists.

Ingestion: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Ingestion of large quantities: immediately to hospital. Call Poison Information Center

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact: Slight irritation.

Symptoms/injuries after eye contact: Slight irritation. ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the eye tissue.

Indication of any immediate medical attention and special treatment needed: No additional information available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Water spray. Polyvalent foam. BC powder. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard: DIRECT FIRE HAZARD. Material presenting a fire hazard. INDIRECT FIRE HAZARD.

Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard: DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.

Reactivity: Upon combustion: CO and CO₂ are formed.

Advice for firefighters

Precautionary measures fire: Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighborhood close doors and windows.

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Heat/fire exposure: compressed air/oxygen apparatus.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel

Protective equipment: Gloves. Protective clothing.

Emergency procedures: Mark the danger area. No naked flames.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection

Emergency procedures: Ventilate area.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods and material for containment and cleaning up

For containment: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

Methods for cleaning up: Take up liquid spill into inert absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers.

Reference to other sections: See Heading 8. Exposure controls and personal protection.

Section 7. Handling and Storage

Precautions for safe handling: Comply with the legal requirements. Keep away from naked flames/heat. At temperature > flashpoint: use spark-/explosion-proof appliances. Finely divided: spark- and explosion-proof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

Hygiene measures: Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

Heat and ignition sources: Keep substance away from heat sources.

Prohibitions on mixed storage: Keep substance away from oxidizing agents.

Storage area: Ventilation at floor level. Meet the legal requirements. Keep out of direct sunlight.

Special rules on packaging: SPECIAL REQUIREMENTS: closing. Correctly labelled. Meet the legal requirements. Secure fragile packaging in solid containers.

Packaging materials: SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available.

Section 8. Exposure Controls / Personal Protection

Control parameters

Isononyl Acetate (58430-94-7)

ACGIH: Not applicable

OSHA: Not applicable

Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Materials for protective clothing: No data available.

Hand protection: Gloves.

Eye protection: Safety glasses.

Skin and body protection: Protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Liquid.

Color: Colorless

Odor: No data available on odor

Odor threshold: No data available

pH: No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: 175°F

Relative evaporation rate (Butyl Acetate=1): No data available

Flammability (solid, gas): No data available

Explosive limits: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Vapor pressure: 0.1 mm Hg 20°C

Relative density: 0.88

Relative vapor density at 20°C: 6.4

Molecular mass: 186.33 g/mol

Solubility: Insoluble in water.

Log Pow: No data available

Log Kow: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Other Information

Other properties: Gas/vapor heavier than air at 20°C. Slightly volatile

Section 10. Stability and Reactivity

Reactivity: Upon combustion: CO and CO₂ are formed.

Chemical stability: No data available.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: fume. Carbon monoxide. Carbon dioxide.

Section 11. Toxicological Information

Information

Acute toxicity: Not classified



Isononyl Acetate (58430-94-7)

LD50 oral rat: 4250 mg/kg (Rat)

LD50 dermal rabbit: > 5000 mg/kg (Rabbit)

ATE US (oral): 4250.000 mg/kg bodyweight

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact: Slight irritation.

Symptoms/injuries after eye contact: Slight irritation. ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the eye tissue.

Section 12. Ecological Information

Toxicity

Ecology - water: No data available on ecotoxicity.

Persistence and degradability

Isononyl Acetate (58430-94-7)

Persistence and degradability

Biodegradability in water: no data available.

Bioaccumulative potential

Isononyl Acetate (58430-94-7): Bioaccumulative potential No bioaccumulation data available.

Mobility in soil: No additional information available

Other adverse effects

Other information: Avoid release to the environment.

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

Department of Transportation (DOT) (Non Bulk only)

In accordance with DOT
Not regulated for transport

Additional information

Other information: No supplementary information available.

ADR

Transport document description: UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Isononyl Acetate), 9, III, (E)

Packing group (ADR): III

Class (ADR): 9 - Miscellaneous dangerous substances and articles

Hazard identification number (Kemler No.): 90

Classification code (ADR): M6

Danger labels (ADR): 9 - Miscellaneous dangerous substances and articles

Tunnel restriction code (ADR): E

Limited quantities (ADR): 5I

Excepted quantities (ADR): E1

Transport by sea

UN-No. (IMDG): 3082

Proper Shipping Name (IMDG): Environmentally Hazardous Substance, Liquid, N.O.S.

Class (IMDG): 9 - Miscellaneous dangerous substances and articles

Packing group (IMDG): III - Substances presenting low danger

MFAG-No: 171

Air Transport

UN-No. (IATA): 3082

Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.

Class (IATA): 9 - Miscellaneous Dangerous Goods

Packing group (IATA): III - Minor Danger

Civil Aeronautics Law: Miscellaneous dangerous substances & articles (Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

Section 15. Regulatory Information

US Federal Regulations

Isononyl Acetate (58430-94-7): Listed on the United States TSCA (Toxic Substances Control Act) inventory



International Regulations

Canada: No additional information available

EU-Regulations: No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

Aquatic Chronic 2 H411

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: No additional information available

National regulations: No additional information available

US State Regulations: No data available

HMIS Ratings

Health: 1

Flammability: 2

Reactivity: 0

Personal Protection: B

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.

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