

Safety Data Sheet

29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: ETHYL LACTATE

Company: THE JOHN D. WALSH CO., INC.
25 EXECUTIVE PKWY.
RINGWOOD, NJ 07456

Emergency Response: 24 HOUR EMERGENCY NUMBER
CHEMTREC (800) 424-9300

Section 2: Hazards Identification

Hazard Pictograms:


BLANK

Signal Word:

Danger

Hazard Category:

Flammable Liq Cat 3
Serious eye damage/eye irritation Cat 1

Hazard Statements:

H226: Flammable liquid and vapour
H318: Causes serious eye damage
H335: May cause respiratory irritation

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment
P241: Use explosion-proof electrical/ventilating/light/.../equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P310: Immediately call a POISON CENTER or doctor/physician
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P370+378: In case of fire: Use ... for extinction
P403+233: Store in a well ventilated place. Keep container tightly closed
P403+235: Store in a well ventilated place. Keep cool
P405: Store locked up
P501: Dispose of contents/container in accordance with local/national/international rules.

Section 3: Composition / Information on Ingredients

| Common Name: | CAS# | Weight % |
|---------------|---------|----------|
| ETHYL LACTATE | 97-64-3 | 100 |

Section 4: First Aid Measures

If ingested: Rinse mouth with plenty of water. Seek immediate medical attention. Do not induce vomiting. If vomiting occurs, the head should be kept low so that the vomit doesn't enter the lungs

If inhaled: Remove to fresh air. Obtain medical attention if asthma-like symptoms or other symptoms develop. Oxygen may be necessary.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

Skin contact: Take off immediately all contaminated clothing. Rinse with soap and water thoroughly. Get medical advice if irritation develops or persists.

Additional Info: Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop.

Section 5: Fire Fighting Measures

Extinguishing Method / Equipment: Water spray, polyvalent foam, carbon dioxide (CO₂), BC powder. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. DO NOT USE: A heavy stream of water as this may spread the fire.

Hazardous Decomposition Info: Fire may produce irritating, corrosive and/or toxic gases

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing vapors. Ventilate area if easy to do so. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Containment Equipment and Procedures: Large Spills: Contain actively spilling material if safe and easy to do so. Dike the spilled material, where this is possible. Utilize absorbent clay or sand to contain and stop spreading material.

Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles.

Cleanup Procedures: Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize mineral spirits or other solvents, provided adequate ventilation is available.

Section 7: Handling and Storage

Safe Handling Precautions: Do not handle until all safety precautions have been read and understood. Do not handle near an open flame or sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid storing in direct sunlight and extreme temperatures.

Recommendations for Storage: Store in cool area in product container away from sources of ignition or flame. Minimize exposure to oxygen.

Section 8: Exposure Control / Personal Protection

General / Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. Eye Engineering wash facilities must be available when handling this product.

Controls:

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Wear safety goggles or face shield.

Skin Protection: Wear solvent resistant gloves.

Respiratory Protection: Chemical respirator with organic vapor cartridge and full face plate

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product.

Section 9: Physical and Chemical Properties

| | | |
|--|---|--|
| State: Liquid | Melting Point: - 25C | Freezing Point: Not avail |
| Color: Colourless | Boiling point: 154C | Density: 1030 kg/m ³ |
| Molecular Mass: 118.13 g/mol | | Water Solubility: Soluble in water |
| Relative Density: 1.03 | Flash Point: 117F | Part. Coeff (n-octanol/water): Not avail |
| Relative Evaporation Rate (Ether=1): 79 | Explosive Limits: 1.5 - 11.4 vol % | Saturation Concentration: 9.7 g/m³ |
| Odor: Mild Odour Fruity Odour | Log Pow: -0.18 | Autoignition Temp: >294C |

Section 10: Stability and Reactivity

Chemical Stability: Unstable on exposure to moisture.

Incompatible materials: Strong bases strong acids.

Decomposition products: No decomposition products known. Toxic substances may be released in the event of a fire.

Section 11: Toxicological Information

Toxicological Information (contained substances)

| Substance | LD50 Oral | LD50 Dermal |
|---------------|------------------|----------------------|
| ETHYL LACTATE | 8200 mg/kg (Rat) | >5000 mg/kg (Rabbit) |

Carcinogenicity or mutagenicity: Not Classified

Sensitization: Not Classified

Other Notes: If ingested: Nausea, vomiting, risk of aspiration pneumonia. Irritation of eye tissue.

Section 12: Ecological Information

Aquatic toxicity: Mild water pollutant. Slightly harmful to aquatic organisms. Insufficient data available on ecotoxicity. Avoid release into the environment.

Degradation / Mobility info: Readily biodegradable in water.

Bioaccumulative potential: Not applicable

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor. Contains low levels of flammable solvents.

Container disposal: Treat empty containers with extra care, as residual solvents may pose ignition hazard. Consult waste contractor.

Section 14: Transport Information

DOT GROUND NON NOT REGULATED

BULK:

IMO/IMDG: UN1192, ETHYL LACTATE, 3,III

IATA: UN1192, ETHYL LACTATE, 3,III

Section 15: Regulatory Information

State or Local Regulations: YES LISTED

Canadian DSL: NOT LISTED

HMIS: H:1,F-2,R-0

Section 16: Other Information

Version Date: 5/4/2020

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