

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: MANZANATE

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

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

Section 2: Hazards Identification

GHS02

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Hazard Pictograms:**Signal Word:**

Warning

Hazard Category:Flammable Liq Cat 3
Skin corrosion/irritation Cat 3**Hazard Statements:**H226: Flammable liquid and vapour
H316: Causes mild skin irritation**Precautionary Statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
 P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire
 P240: Ground/bond container and receiving equipment
 P241: Use explosion-proof electrical/ventilating/light/.../equipment
 P243: Take precautionary measures against static discharge
 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
 P332+313: If skin irritation occurs: Get medical advice/attention
 P370+378: In case of fire: Use ... for extinction
 P403+235: Store in a well ventilated place. Keep cool
 P501: Dispose of contents/container in accordance with local/national/international rules.

Hazards not otherwise classified:

Not applicable, none known.

Section 3: Composition / Information on Ingredients

Common Name:	CAS#	Weight %
ETHYL2-METHYLVALERATE	39255-32-8	100

Section 4: First Aid Measures

General Info: ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES. SHOW SDS TO DOCTOR IN ATTENDANCE

If ingested: If conscious 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. Keep at rest. 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, fog, CO₂, dry chemical, or alcohol resistant foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. DO NOT USE: A solid water stream 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. Clean surface thoroughly to remove residual contamination.

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. Wash hands thoroughly after handling.

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

Section 8: Exposure Control / Personal Protection

General / Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. Eye wash **Engineering** 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: Not avail	Molecular Formula: C8H16O2
Color: Refer to spec sheet	Boiling point: 305.6-307.4 F	Odor: Characteristic
Vapor Density: 5		Water Solubility: Insoluble
Specific Gravity: 0.87	Flash Point: 127 C	Molecular Weight: 144.21 g/mol
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: 1.5 mm Hg @ 20C

Section 10: Stability and Reactivity

Incompatible materials: Strong oxidizing agents

Decomposition products: No decomposition products if stored and handled as indicated.

Section 11: Toxicological Information

Likely Routes of Exposure: Inhalation of vapors, dermal

Toxicological Information (contained substances)

substance	LD50 Oral	LD50 Dermal
ETHYL 2-METHYLPENTANOATE	>5000 mg/kg (Rat)	Not avail

Carcinogenicity or mutagenicity: Not Listed

Sensitization: Not expected to cause skin sensitization.

Other Notes: Direct contact with eyes may cause temporary irritation.

Section 12: Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Degradation / Mobility info: Do data is available on the degradability of this product.

Bioaccumulative potential: No specific data available.

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/NON BULK: NOT REGULATED

IMO/IMDG: UN3272 ESTERS, N.O.S.,(ETHYL 2-METHYLPENTANOATE),3,III, MARINE POLLUTANT

IATA: UN3272 ESTERS, N.O.S.,(ETHYL 2-METHYLPENTANOATE),3,III,

Section 15: Regulatory Information

SARA 311/312: YES LISTED

Canadian DSL: YES LISTED

Section 16: Other Information

Version Date: 5/10/2017

Disclaimer: The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or, expense resulting from improper use of this product