

**Safety Data Sheet**  
**29 CFR 1910.1200**

**Section 1: Company and Product Identification**

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**Product Name:** TRIETHYL CITRATE

**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**

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**Hazard Pictograms:**

**Signal Word:** Not Applicable

**Hazard Category:** Non-classified

**Hazard Statements:** Not Applicable

**Precautionary Statements:** Not Applicable

**Hazards not otherwise classified:** NOT A HAZARDOUS SUBSTANCE OR MIXTURE PER GHS

**Section 3: Composition / Information on Ingredients**

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SUBSTANCE	CAS#	Weight %
TRIETHYL CITRATE	77-93-0	100%

**Section 4: First Aid Measures**

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**If ingested:** Rinse mouth. Seek immediate medical attention.

**If inhaled:** Remove to fresh air. Obtain medical attention if asthma-like symptoms or other symptoms develop.

**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 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

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**Extinguishing Method / Equipment:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment.

**Hazardous Decomposition Info:** Constituents associated with burning / combustion are to be considered toxic.

## Section 6: Accidental Release Measures

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**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

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**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.

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

**Incompatibilities:** Store away from strong acids or oxidizing agents. Refer to Section 10.

## Section 8: Exposure Control / Personal Protection

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

**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:** Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate.

**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**

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<b>State:</b> Liquid	<b>Melting Point:</b> N/A	<b>Freezing Point:</b> Not avail
<b>Color:</b> Clear	<b>Boiling Point/Range:</b> 294C	<b>pH:</b> Not avail
<b>Sp Grav:</b> 0.925-.94	<b>Odor:</b> Characteristic	<b>Water Solubility:</b> Insoluble
<b>Evaporation rate:</b> Not avail	<b>Flash Point:</b> >93C	<b>Part. Coeff (n-octanol/water):</b> 0.33
<b>Upper Flam Limits:</b> Not avail	<b>Lower Flam Limits:</b> Not avail	<b>Vapor Pressure:</b> 0.000252HPA
<b>VOC Content (lbs/gal):</b> 0%	<b>Viscosity:</b> Not avail	<b>Autoignition Temp:</b> 332C

**Section 10: Stability and Reactivity**

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**General:** The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions. No dangerous reaction known under normal conditions of use

**Incompatible materials:** Strong oxidizing agents

**Decomposition products:** No hazardous decomposition products known

**Section 11: Toxicological Information**

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**Toxicological Information (contained substances)**

Substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
TRIETHYL CITRATE	>5000mg/kg (Rat)	>5000mg/kg (Rabbit)	NA	NA

**Carcinogenicity or mutagenicity:** No data available to indicate product or any componenets present at greater than 0.1 % are mutagenic or genotoxic

**Sensitization:** Product is not expected to be a sensitizer.

**Section 12: Ecological Information**

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**Aquatic toxicity:** No data available

**Degradation / Mobility info:** No data available

**Bioaccumulative potential:** No data available

**Section 13: Disposal Information**

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**Product disposal:** Disposal should be in accordance with applicable regional, national, and local laws and regulations

**Container disposal:** Do not reuse container

**Section 14: Transport Information**

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**DOT GROUND NON** NOT REGULATED

**BULK:**

**IMO/IMDG:** NOT REGULATED

**IATA:** NOT REGULATED

**Section 15: Regulatory Information**

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**TSCA:** YES LISTED

**SARA 311/312:** NOT LISTED

**SARA 313** NOT LISTED

**California Prop 65** NOT LISTED

**Substances:**

**Canadian DSL:** YES LISTED

**Section 16: Other Information**

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**Version Date:**

6/1/2016

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