

## Safety Data Sheet

### 29 CFR 1910.1200

#### Section 1: Company and Product Identification

**Product Name:** CITRAL

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

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

CHEMTREC

#### Section 2: Hazards Identification

GHS07

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**Hazard Pictograms:**



**Signal Word:**

Warning

**Hazard Category:**

Flammable Liq Cat 4  
Skin corrosion/irritation Cat 2  
Sensitization, skin Cat 1  
Hazard to aquatic environment, acute Cat 2

**Hazard Statements:**

H227: Combustible liquid  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H401: Toxic to aquatic life

**Precautionary Statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray  
P264: Wash thoroughly after handling  
P272: Contaminated work clothing should not be allowed out of the workplace  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P302+350: IF ON SKIN: Gently wash with plenty of soap and water  
P321: Specific treatment (see ... on this label)  
P332+313: If skin irritation occurs: Get medical advice/attention  
P333+313: If skin irritation or a rash occurs: Get medical advice/attention  
P362: Take off contaminated clothing and wash before reuse  
P370+378: In case of fire: Use ... for extinction  
P403+235: Store in a well ventilated place. Keep cool  
P501 Dispose of in a safe manner in accordance with local/national regulations

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

SUBSTANCE	CAS #	Weight %
CITRAL	5392-40-5	100

#### Section 4: First Aid Measures

**If ingested:** Rinse mouth. Rinse mouth and give victim lots of water to drink. Do not induce vomiting. 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 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

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

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

## Section 6: Accidental Release Measures

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**Personal precautions,** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition **protective equipment** sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate **and procedures:** 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** Large Spills: Contain actively spilling material if safe and easy to do so. Dike the spilled material, where this is **Equipment and** possible. Utilize absorbent clay or sand to contain and stop spreading material.

**Procedures:**

Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles. Thoroughly wash contaminated area following spill.

**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** Do not handle until all safety precautions have been read and understood. Do not handle near an open flame or **Precautions:** 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** Store in cool area in product container away from sources of ignition or flame.  
**for Storage:**

**Incompatibilities:** Strong bases strong acids.

## Section 8: Exposure Control / Personal Protection

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

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

## Section 9: Physical and Chemical Properties

<b>State:</b> Liquid	<b>Melting Point:</b> <- 10C	<b>Autoignition Temp:</b> 225C
<b>Color:</b> Light yellow	<b>Boiling Point/Range:</b> 226C	<b>pH</b> <5
<b>Relative Density:</b> 0.891	<b>Odor:</b> Lemon	<b>Water Solubility:</b> Insoluble
<b>Log Pow:</b> 2.76-3.45	<b>Flash Point:</b> 195F	<b>Explosive Limits:</b> 4.3-9.9 vol %
<b>Molecular Mass:</b> 152.24 g/mol	<b>Density:</b> 890 kg/m <sup>3</sup>	<b>Vapor Pressure:</b> .07 mm Hg 20C

## Section 10: Stability and Reactivity

**General:** This product is stable and non-reactive under normal conditions of use. Solvent vapors will evaporate from exposed material. Product is not subject to hazardous polymerization. Avoid open flame and ignition sources.

**Incompatible materials:** Strong oxidizing agents.

**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)

Hazardous substance (name)	LD50 Oral	LD50 Dermal
CITRAL	4960mg/kg (Rat)	2250mg/kg (Rabbit)

**Carcinogenicity or mutagenicity:** Not classified

**Sensitization:** May cause and allergic reaction

**Other Notes:** Causes eye irritation

## Section 12: Ecological Information

**Aquatic toxicity:** Not applicable, avoid release to the environment

**Degradation / Mobility info:** No specific data available. Contained solvents are expected to degrade rapidly in the environment.

**Bioaccumulative potential:** No specific data available. Contained solvents are expected to degrade rapidly in the environment.

## 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

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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:** Complies

**CERCLA RQ:** NOT LISTED

**SARA 311/312:** NOT LISTED

**SARA 313** NOT LISTED

**California Prop 65** NOT LISTED  
**Substances:**

**Canadian DSL:** NOT LISTED

**WHMIS:** H-2,F-1,R-0

#### Section 16: Other Information

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**Version Date:** 4/27/2020

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