Section 1: Company and Product Identification

Product Name: METHYL HEPTINE CARBONATE

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

Signal Word: Warning

Hazard Category:
- Flammable Liq Cat 4
- Acute tox, oral Cat 4
- Acute tox, dermal Cat 5
- Skin corrosion/irritation Cat 2
- Sensitization, skin Cat 1

Hazard Statements:
- H227: Combustible liquid
- H302: Harmful if swallowed
- H313: May be harmful in contact with skin
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction

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
- P270: Do not eat, drink or smoke when using this product
- P272: Contaminated work clothing should not be allowed out of the workplace
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P302+352: IF ON SKIN: Wash with soap and water
- P330: Rinse mouth
- P333+313: If skin irritation or a rash occurs: Get medical advice/attention
- P362: 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

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS#</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL HEPTINE CARBONATE</td>
<td>111-12-6</td>
<td>100</td>
</tr>
</tbody>
</table>
Section 4: First Aid Measures

If ingested: If victim is conscious rinse mouth with water. DO NOT: Induce vomiting. Seek immediate medical attention.

If inhaled: If breathing is difficult remove to fresh air and keep at rest. 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: Direct contact with eyes may cause temporary irritation. May cause redness and pain if skin contact occurs. May cause an allergic reaction.

Section 5: Fire Fighting Measures

Extinguishing: Water spray, fog, CO2, dry chemical, or alcohol resistant foam. DO NOT USE: A heavy stream of water
Method / Equipment: as this may spread the fire.

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

Section 6: Accidental Release Measures

Personal precautions, 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: 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.

Procedures: Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles. Clean surfaces 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: 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. Never store in extreme temperatures or in direct sunlight.

Section 8: Exposure Control / Personal Protection

General / Engineering: Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. Eye Controls: 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

<table>
<thead>
<tr>
<th>State</th>
<th>Melting Point: Not avail</th>
<th>Freezing Point: Not avail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Refer to spec sheet</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Range:</td>
<td>422.6-428°F</td>
<td>pH Not avail</td>
</tr>
<tr>
<td>Sp Grav:</td>
<td>0.92</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>154.21 g/mol</td>
<td></td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>C9H14O2</td>
<td></td>
</tr>
<tr>
<td>VOC Content (lbs/gal):</td>
<td>Not avail</td>
<td>Viscosity: Not avail</td>
</tr>
<tr>
<td>Autoignition Temp:</td>
<td>Not avail</td>
<td></td>
</tr>
<tr>
<td>Flash Point:</td>
<td>190°F</td>
<td></td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>5.3</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>.13 mm Hg @ 25°C</td>
<td></td>
</tr>
<tr>
<td>Water Solubility:</td>
<td>Not avail</td>
<td></td>
</tr>
<tr>
<td>Part. Coeff (n-octanol/water):</td>
<td>Not avail</td>
<td></td>
</tr>
</tbody>
</table>

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

Section 11: Toxicological Information

Toxicological Information (contained substances)

<table>
<thead>
<tr>
<th>Substance (name)</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL HEPTINE CARBONATE</td>
<td>1530 mg/kg</td>
<td>3300 mg/kg</td>
</tr>
</tbody>
</table>

Carcinogenicity or mutagenicity: Not listed

Sensitization: May cause and allergic reaction

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

Section 12: Ecological Information

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

DOT/ NON BULK: NOT REGULATED

IMO/IMDG: NOT REGULATED

IATA: NOT REGULATED

Section 15: Regulatory Information

TSCA: NOT LISTED

CERCLA RQ: NOT LISTED

SARA 311/312: YES LISTED

SARA 313 NOT LISTED

California Prop 65 NOT LISTED

Substances:

Canadian DSL: YES LISTED

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

Section 16: Other Information

Version Date: 5/16/2016

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.