

**Safety Data Sheet**  
**29 CFR 1910.1200****Section 1: Company and Product Identification**

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**Product Name:** DIHYDRO BETA-IONONE**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**

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**Hazard Pictograms:****Signal Word:** Warning**Hazard Category:** Skin corrosion/irritation Cat 3  
Hazard to aquatic environment, chronic Cat 2**Hazard Statements:** H316: Causes mild skin irritation  
H411: Toxic to aquatic life with long lasting effects**Precautionary Statements:** P273: Avoid release to the environment  
P332+313: If skin irritation occurs: Get medical advice/attention  
P391: Collect spillage  
P501: Dispose of contents/container in accordance with local/national/international rules.**Section 3: Composition / Information on Ingredients**

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Substance (name)	CAS#	Weight %
4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butan-2-one	17283-81-7	90-100

**Section 4: First Aid Measures**

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**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:** NEVER: Give anything by mouth to an unconscious person. Rinse mouth with 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:** If having difficulty breathing, 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

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**Extinguishing** Carbon dioxide (CO<sub>2</sub>), dry chemical, water spray, alcohol resistant foam. 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** Fire may produce irritating, corrosive and/or toxic gases  
**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 **protective equipment** ignition 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 **Equipment and** 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 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

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

## Section 8: Exposure Control / Personal Protection

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**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:** 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

<b>State:</b> Liquid	<b>Melting Point:</b> Not avail	<b>Freezing Point:</b> Not avail
<b>Color:</b> Not avail	<b>Boiling point:</b> 261C	<b>pH:</b> Not avail
<b>Sp Grav:</b> 0.92	<b>Odor:</b> Not avail	<b>Water Solubility:</b> Insoluble
<b>Vapor Density:</b> 6.7	<b>Flash Point:</b> 93C	<b>Part. Coeff (n-octanol/water):</b> logPow:6.210
<b>Upper Flam Limits:</b> Not avail	<b>Lower Flam Limits:</b> Not avail	<b>Vapor Pressure:</b> <0.01hPa
<b>VOC Content (lbs/gal):</b> Not avail	<b>Viscosity:</b> Not avail	<b>Autoignition Temp:</b> Not avail

## 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:** No data available

**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
4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butan-2-one	>5000 mg/kg (Rat)	NA

**Carcinogenicity or mutagenicity:** No data available

## Section 12: Ecological Information

**Aquatic toxicity:** Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected

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

**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

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**DOT GROUND NON NOT REGULATED**

**BULK:**

**IMO/IMDG:** UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butan-2-one) 9, III, MARINE POLLUTANT

**IATA:** UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butan-2-one) 9, III

#### Section 15: Regulatory Information

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**TSCA:** NOT REGULATED

**CERCLA RQ:** NOT REGULATED

**SARA 313** NOT REGULATED

**California Prop 65** NOT REGULATED

**Substances:**

**Canadian DSL:** YES LISTED

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

**Version Date:** 5/1/2020

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