

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

**Section 1: Company and Product Identification****Product Name:** HERBOXANE

**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**

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**Hazard Pictograms:****Signal Word:** Warning

**Hazard Category:** Flammable Liq Cat 4  
Skin corrosion/irritation Cat 3

**Hazard Statements:** H227: Combustible liquid  
H316: Causes mild skin irritation

**Precautionary Statements:** P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
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 om a safe manner in accordance with local/national regulations

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

SUBSTANCE	CAS#	Weight %
1,3-DIOXANE,2-BUTYL-4,4,6-TRIMETHYL-HERBACETAL VALERALDEHYDE HEXYLENE GLYCOL ACETAL	54546-26-8	100

**Section 4: First Aid Measures**

**If ingested:** If victim is conscious rinse mouth with plenty of water. 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. Direct contact with eyes may cause temporary irritation. Mild skin irritation.

**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**

**Extinguishing** Water spray, fog, alcohol resistant foam, dry chemical powder, or (CO<sub>2</sub>). Firefighters should wear self-contained  
**Method / Equipment:** breathing apparatus (SCBA) and full protective equipment. DO NOT USE: a heavy stream or jet 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 sources  
**protective equipment** (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. Following product recovery, flush  
**Procedures:** area with water. This product is immiscible with water and will spread on the water surface. Avoid release to the  
environment.

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 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.

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

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

## 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  
**Protection:** inadequate.

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

## Section 9: Physical and Chemical Properties

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**State:** Liquid

**Melting Point:** Not avail

**Freezing** Not avail  
**Point:**

<b>Color:</b> Refer to spec sheet	<b>Boiling Point/Range:</b> 553.75F	<b>pH:</b> Not avail
<b>Sp Grav:</b> 0.89	<b>Molecular Formula:</b> C13H16O2	<b>Molecular Weight:</b> 186.29 g/mol
<b>Odor:</b> Characteristic	<b>Flash Point:</b> 169	<b>Molecular Formula:</b> C11H22O2
<b>Vapor Density:</b> 6.5	<b>Auto-ignition temperature:</b> 402.8F	<b>Vapor Pressure:</b> <a href="#">.3 mm Hg @20C</a>

### Section 10: Stability and Reactivity

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**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

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#### Toxicological Information (contained substances)

Substance (name)	LD50 Oral	LD50 Dermal
2-BUTYL-4,4,6-TRIMETHYL-1,3-DIOXANE	>5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)

**Carcinogenicity or mutagenicity:** Not classified

**Sensitization:** This product is not expected to cause skin sensitization.

**Other Notes:** Direct contact with eyes or skin may cause mild irritation.

### Section 12: Ecological Information

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**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

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**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: NOT LISTED

CERCLA RQ: NOT LISTED

SARA 311/312 YES LISTED

California Prop 65 NOT LISTED  
Substances:

Canadian DSL: YES LISTED

HMIS: H:1,F:2,R:0

**Section 16: Other Information**

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**Version Date:** 5/4/2020

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