

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 (CO₂). 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

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

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

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

State: Liquid

Melting Point: Not avail

Freezing Not avail
Point:

Color: Refer to spec sheet	Boiling Point/Range: 553.75F	pH: Not avail
Sp Grav: 0.89	Molecular Formula: C13H16O2	Molecular Weight: 186.29 g/mol
Odor: Characteristic	Flash Point: 169	Molecular Formula: C11H22O2
Vapor Density: 6.5	Auto-ignition temperature: 402.8F	Vapor Pressure: .3 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)

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

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 GROUND NON NOT REGULATED

BULK:

IMO/IMDG: NOT REGULATED

IATA: NOT REGULATED

Section 15: Regulatory Information

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

Version Date: 3/2/2015

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