

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: BENZALDEHYDE

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: Flammable Liq Cat 4
 Acute tox, oral Cat 4
 Skin corrosion/irritation Cat 2
 Serious eye damage/eye irritation Cat 2
 Acute tox, inh. Cat 4
 Specific target organ tox, single exp. Cat 3 (resp irrit)

Hazard Statements: H227: Combustible liquid
 H302: Harmful if swallowed
 H315: Causes skin irritation
 H319: Causes serious eye irritation
 H332: Harmful if inhaled
 H335: May cause respiratory irritation

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
 P271: Use only outdoors or in a well-ventilated area
 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
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove
 P312: Call a POISON CENTER or doctor/physician if you feel unwell
 P330: Rinse mouth
 P332+313: If skin irritation occurs: Get medical advice/attention
 P337+313: If eye irritation persists get medical advice/attention
 P362: Take off contaminated clothing and wash before reuse
 P370+378: In case of fire: See Section 5 for extinction
 P403+233: Store in a well ventilated place. Keep container tightly closed
 P405: Store locked up
 P501: Dispose of contents/container in accordance with local/regional/national/international rules.

Section 3: Composition / Information on Ingredients

SUBSTANCE	CAS#	Weight %
BENZALDEHYDE	100-52-7	100

Section 4: First Aid Measures

Notable Exposure symptoms: Dermatitis, rash, severe eye irritation.

If ingested: Rinse mouth. 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 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 Method / Equipment: Use dry chemical, alcohol foam, carbon dioxide or water spray. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment.

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

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: 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 Equipment and Procedures: 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.

Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles.

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.

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

Section 8: Exposure Control / Personal Protection

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

State: Liquid	Melting Point: -26°C	Freezing Point: Not avail
Color: Colorless	Boiling Point/Range: 179°C	Partition Coefficient: 1.4 @ 25°C
Relative Density: 1.042 @ 25°C	Odor: Almond	Water Solubility: 6.95 g/l @ 25°C
Refractive Index at 20°C: 1.480-1.520	Flash Point: 62°C	Evaporation Rate: 0.04 (butyl acetate=1)
Upper Flam Limits: Not avail	Auto-ignition Temperature: 192°C	Vapor Pressure: 169 Pa @ 25°C
VOC Content (lbs/gal): Not avail	Viscosity: Not avail	Vapor Density: 3.66 (Air=1)

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	LD50 Oral	LD50 Dermal
BENZALDEHYDE	1430 mg/kg	>2000 mg /kg

Carcinogenicity or mutagenicity: Not Classified

Sensitization: Causes skin and eye irritation

Other Notes: Not applicable.

Section 12: Ecological Information

Toxicity: No additional information available

Degradation / Mobility info: Readily biodegradable

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 UN 1990, BENZALDEHYDE, 9, PG III
BULK

IMO/IMDG: UN 1990, BENZALDEHYDE, 9, PG III

IATA: UN 1990, BENZALDEHYDE, 9, PG III

Section 15: Regulatory Information

TSCA: NOT LISTED

CERCLA RQ: NOT LISTED

SARA 311/312: NOT LISTED

SARA 313: NOT LISTED

California Prop 65: NOT LISTED
Substances:

HMIS: H:2 F:2 R:0

Section 16: Other Information

Version Date: 4/23/2020

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