JOHNSON MANUFACTURING COMPANY

Safety Data Sheet

To comply with 29CFR 1910.1200 OSHA's Hazard Communication Standard

SA Day 7818L/4X Concentrate, D129

1. PRODUCT AND COMPANY INFORMATION

Johnson Manufacturing Company 114 Lost Grove Road Princeton IA 52768 Emergency Telephone 1-(563)-289-5123 CHEMTREC AFTER HOURS 1-(800)-424-9300 Revised 1/1/2021 by JMC Product Safety

2. HAZARD IDENTIFICATION

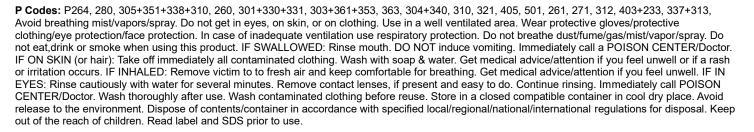
GHS Classification:

STOT SE 3 Skin Corr. 1B Acute tox 5 Eye irr 2B Acute Aqua 1 Chronic Aqua 1

GHS Label Elements:

HYDROBROMIC ACID & ZINC OXIDE DANGER

H Codes: H314, H335, H302, H410 Harmful if swallowed Harmful if inhaled Causes severe burns and eye damage May cause respiratory irritation Very toxic to aquatic life with long lasting effects



3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS #	OSHA TWA	ACIGH TWA	Other limits	%
Hydrogen bromide Zinc Oxide Ammonium bromide C = Ceiling concentration	10035-10-6 1314-13-2 12124-97-9	2ppm C 2mg/M3 NE	2ppm C 2mg/M3 NE	NE NE NE	

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. An ingredient marked with an asterisk(*) is also listed in 29CFR 1910.1200(D) #4 as a known or suspected cancer hazard.

+ denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (section 313)

4. FIRST AID MEASURES

Signs and symptoms of exposure: Inhalation-Nose & throat irritation, headache, dizziness, difficulty breathing, coughing. Ingestion-nausea, vomiting, cramps. Skin-redness, burning, rash, dryness. Eye-redness, burning, tearing, blurred vision.

Emergency first aid procedures:

Skin: Flush with water immediately - Seek medical attention if required.



Eyes: Flush with water for 15 minutes - Seek medical attention. Ingestion: Drink large amounts of water, DO NOT induce vomiting-seek medical attention. Never give anything by mouth to an unconscious person. Inhalation: Remove to fresh air. Support respiration if required. Seek medical attention if required.

5. FIREFIGHTING MEASURES

Extinguishing media: dry chemical.

Special fire fighting procedures: use self sustaining respiratory suit. Unusual Fire and Explosion Hazards: May release bromine, carbon monoxide, ammonia, carbon dioxide, hydrobromic acid, various organics.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials: Flush into chemical sewer or soak up with a suitable absorbent. Wear adequate protection as described in section 8. **Environmental Precautions:** Avoid release to the environment. Collect spillage.

7. HANDLING & STORAGE

Wash thoroughly after use. Wash contaminated clothing before reuse. Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place. Keep out of the reach of children. Read label and SDS prior to use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

 Occupational Exposure Limit Values: See section 3.

 Respiratory Protection (type): Acid mask required for fumes above TWA.

 Ventilation: Local Exhaust preferred
 Special: NE

 Mechanical:
 OK
 Other: NE

 Protective Gloves: plastic or rubber
 Eye Protection: Goggles or face shield

 Other Protective Clothing or Equipment: as required to avoid contact.
 Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 215 FSpecific Gravity: 1.25Vapor Pressure (mm Hg): 17Melting Point: NEVapor Density: 0.958Evaporation Rate: <1 (butyl acetate=1)</td>Solubility in water: 100%pH: NEFlash Point: NE (TOC)Flammable Limits: lel: NE uel: NEAppearance and odor: Cloudy to white liquid, acidic odor.

10. STABILITY AND REACTIVITY

Stability : STABLE Conditions to avoid : none

Incompatibility (materials to avoid): strong bases & acids, oxidizers, sulfides, halogens. **Hazardous Decomposition or Byproducts (incomplete combustion)**: May release, bromine, carbon monoxide, ammonia carbon dioxide, hydrobromic acid, various organics.

Hazardous Polymerization: WILL NOT OCCUR Conditions to avoid: none

11. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation: yes Skin: no Ingestion: yes

Health Hazards (acute and chronic): Contact with material or fumes may cause skin, eye and respiratory tract irritation or burns, some possibly severe. Eye injury may be severe and permanent. Ingestion may result in digestive tract irritation or burns. Moderately toxic by ingestion and inhalation. Repeated or gross inhalation of fumes or mist may cause asthma. May cause sensitization. Chronic exposures may result in blood, kidney and respiratory tract effects. Studies show potential health risks vary by individual. Minimize exposure as a precaution.

Carcinogenicity: not determined NTP? no IARC Monographs? No

12. ECOLOGICAL INFORMATION

Toxicity: NE Bio-accumulative Potential: NE PBT & vPvB Assessment: NE Persistence & Degradability: NE Mobility in Soil: NE Other Adverse Effects: NE

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: dispose of in accordance with all local state and federal regulations Other Precautions: Avoid skin & eye contact, inhalation & ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children. Keep away from spark or flame.

14. TRANSPORT INFORMATION

DOT Classification: UN1760, Corrosive Liquid NOS (Contains Hydrobromic Acid & Ammonium Bromide), 8, PGII Marine Pollutant: NE

15. REGULATORY INFORMATION

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NFPA Classification (NFPA 325M,8 edition)(Health, Flammability, Reactivity): 3-0-1 This product can expose you to chemicals including 1,4 Dioxane, which is known to the state of California to cause cancer and/or birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

16. OTHER INFORMATION

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to JOHNSON MANUFACTURING at the time of issue. No warranty, guarantee, or representation is made by JOHNSON MANUFACTURING assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances.

NE = not established NA = not applicable

Form 303.435 Rev. E