

STERKWASH

MSDS ID: 05488

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: STERKWASH

Product Descriptor: CAUSTIC ADDITIVE

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
POTASSIUM HYDROXIDE	1310-58-3	5 - 15%	TWA - C 2	MG/M3
POTASSIUM SILICATE	1312-76-1	1 - 5%	None est.	
SODIUM HYDROXIDE	1310-73-2	1 - 5%	TLV-C 2	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CORROSIVE MATERIAL - Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact.

POSSIBLE ROUTES OF ENTRY: Skin contact/absorption

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns or irritation with pain, redness, swelling, and blurred or impaired vision. SKIN: Burns, blisters or rash with pain and swelling. INGESTION: Burns or irritation to mouth, throat with pain, nausea and vomiting. INHALATION: Spray or mist causes severe irritation with pain, choking, and breathing difficulty.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with mild soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get

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IV. FIRST AID MEASURES (Cont.)

immediate medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): None FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NA UEL: ND
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
The Reportable Quantity of Potassium Hydroxide, CAS #1310-58-3 is 1397 gallons or 15,375 lbs. The Reportable Quantity of Sodium Hydroxide, CAS #1310-73-2 is 4545 gallons or 50,040 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Alkali resistant.
RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator where TLV/PEL may be exceeded.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots and chemical resistant apron if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear yellow liquid; mild odor.

BOILING POINT (DEG F): 212
SPECIFIC GRAVITY/BULK DENSITY: 1.32
pH: 11.8
VOLATILE BY VOLUME: 46.1

FREEZING POINT: ND
pH 1% SOLUTION: 11.48

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IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

SOLUBILITY IN WATER: Soluble**VAPOR PRESSURE(mmHg):** ND at ND **VAPOR DENSITY:** ND

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.**INCOMPATIBILITY WITH OTHER MATERIALS:** Corrosive to aluminum and soft metals.
May remove paint and coatings; Acids; Oxidizing agents**HAZARDOUS DECOMPOSITION PRODUCTS:** Incomplete combustion forms; oxides of sulfur; oxides of oxygen; oxides of carbon; oxides of phosphorus**HAZARDOUS POLYMERIZATION:** None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.**TOXICITY TEST DATA:****Sodium and Potassium Hydroxide:**

Acute Oral LD50 (rat) - 350 mg/kg

Acute Skin LD50 (rabbit) - 1300 mg/kg (PTI)

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not RCRA Regulated Hazardous Waste.

Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:**TSCA:** All ingredients in this product are on TSCA inventory.**HAPS:** Contains no hazardous air pollutants.**VOC CONTENT (EPA Method 24A):** % VOC: ND Lb/Gal VOC: ND**CERCLA/EPCRA:**

Section 313 Toxic Chemicals:

None

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XV. REGULATORY INFORMATION (Cont.)

SARA Section 311/312:

ACUTE:YES CHRONIC:NO FIRE:NO REACTIVITY:NO
SUDDEN RELEASE OF PRESSURE:NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY:0 SPECIAL:Alkaline

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

POTASSIUM HYDROXIDE - CAS #1310-58-3

SODIUM HYDROXIDE - CAS #1310-73-2

POTASSIUM SILICATE - CAS #1312-76-1

PHOSPHATE ESTER - CAS #PROPRIETARY

ETHYLENEDIAMINE TETRAACETIC ACID - CAS #60-00-4

TETRASODIUM EDTA - CAS #64-02-8

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.