



Keystone Clean-X, Inc
 855 Industrial Hwy.
 Cinnaminson, NJ 08077
 1-856-786-4443
 http://keystoneclean-x.com

Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name 4 X 4
Product use Heavy Duty Cleaner
Product code 2615H
Date of issue 5/01/15

Emergency Telephone Numbers

For SDS Information:
 1-856-786-4443

For Medical Emergency
 (800) 222-1222 Toll Free
 American Association of Poison Control Centers

For Transportation Emergency
 CHEMTREC: (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Prepared By
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Section 2. Hazards Identification

Acute Effects

Routes of Entry Dermal contact. Eye contact. Inhalation.
 Ingestion.

Skin Eyes Hazardous by the following route of exposure: of skin contact (corrosive). Skin contact may produce burns. Harmful if absorbed through the skin.

Inhalation Hazardous by the following route of exposure: of eye contact (corrosive). Direct contact with the eyes can cause irreversible damage, including blindness.

Ingestion Hazardous by the following route of exposure: of inhalation (lung corrosive). Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Medical conditions aggravated by over-exposure
 Respiratory

Harmful if swallowed. May cause burns to mouth, throat and stomach.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects

The substance may be toxic to blood, kidneys, liver. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	D, q

Section 3. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
Liquid Caustic Potash	71769-53-4	5 - 15	ACGIH / OSHA (United States). CEIL: 2 mg/m ³

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.
Inhalation	If excessive quantities inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek immediate medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Closed cup: Higher than 93.3°C (200°F). (Tagliabue.)	FLAMMABLE LIMITS Not applicable.
Flammability	Aqueous solutions are non-flammable.	
Fire hazard		
Fire-fighting procedures	Use dry chemical, CO ₂ , water spray (fog) or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.	

**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Absorb with an inert material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use [***]. detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Handling	Do not get in eyes, on skin, or on clothing. Do not ingest. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.
Storage	Keep container tightly closed. Store away from incompatible materials. Keep container in a cool, well-ventilated area. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Splash goggles. Face shield.	
Body	Chemical-resistant gloves. Recommended: Neoprene gloves. Nitrile gloves. Latex gloves. Chemical resistant apron and boots.	
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridge.	

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Green
pH	13.0-14.0	Odor	Butyl
Boiling Point	98.9°C (210°F)	Vapor Pressure	Not determined.
Specific Gravity	1.14 (Water = 1)	Vapor Density	Not available.
Solubility	Easily soluble in the following materials: cold water, hot water.	Evaporation Rate	1 compared with Water
		VOC (Consumer)	10% 0.95 (lb/gal) 114 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with oxidizing agents, metals, acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon dioxide., Carbon monoxide. and other organic materials.

Section 11. Toxicological Information

United States
Acute toxicity

Section 12. Ecological Information**Ecotoxicity** Not available.**Biodegradable/OECD** Not available.**Section 13. Disposal Considerations**

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: - D002
Classification: - (Hazardous waste.)
Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information**Proper shipping name** Compound, Cleaning Liquid, (Containing Potassium Hydroxide)**DOT Classification** Class 8: Corrosive liquid.**NA1760**

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

TDG Classification TDG Class 8: Corrosive liquid.**Section 15. Regulatory Information**

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
Ethylene Glycol Monobutyl Ether (Glycol Ethers)
Clean Water Act (CWA) 311: Potassium Hydroxide
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
All Components of this product are listed or exempt from listing on TSCA inventory.

State Regulations

WHMIS (Canada) Class D-2B: Material causing other toxic effects (Toxic).
Class E: Corrosive liquid.

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*