UTILITY
SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer:

UTILITY
700 Main Street
Westbury, NY 11590
Telephone: 1-516-997-6300
Fax: 1-516-997-6345
Web Site: **www.UtilityChemicals.com**
E-mail: **info@UtilityChemical.com**

For any transportation or medical chemical emergencies call:

INFOTRAC
(800) 535-5053

24 hours per day - 7 days a week

Product Name:

Sexauer Mule-Kick Non-Acid Drain Cleaner

Recommended Use:

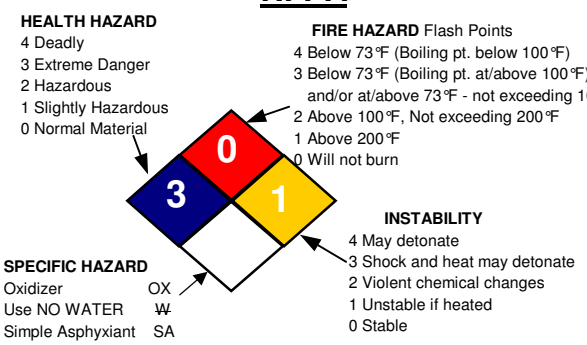
For clearing drains of hair, grease, paper, lint and organic matter.

SECTION 2 - HAZARD(S) IDENTIFICATION

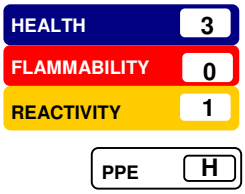
Label

Corrosive **Poison**

NFPA



HMIS



0 Minimal Hazard
1 Slight Hazard
2 Moderate Hazard
3 Serious Hazard
4 Severe Hazard

Health

Acute Toxicity:	Cat. 5
Skin Corrosion:	Cat. 1
Eye Irritation:	Cat. 2B
Skin Sensitization:	NO

Environmental

Acute Toxicity:	N/A
Chronic Toxicity:	N/A

Physical

Flammability:	N/A
Other:	N/A

Hazardous Statement

Poison! Causes severe burns. Harmful or fatal if swallowed.

Precautionary Statement

Avoid contact with skin and eyes.
Keep out of reach of children.
Do not allow to be taken internally.
Protect face (especially eyes) and other parts of body when using.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals	CAS #	EINECS#	Approx %
POTASSIUM HYDROXIDE	1310-58-3	215-181-3	5-50%
SODIUM HYDROXIDE	1310-72-2	215-185-5	5-50%

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

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SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove from further exposure. Keep warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.

Skin: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek immediate medical attention. Wash contaminated clothing and shoes before reuse.

Eyes: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get immediate medical attention.

Ingestion: Wash out mouth with water, keep at rest. Seek immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media		Specific Hazards	Protective Equipment
Suitable	Unsuitable		
Water Spray Dry Chemical Standard Agents	---------	Sodium Hydroxide will react with metals such as aluminum, tin, and zinc to generate flammable and explosive hydrogen gas.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.

Special Firefighting Procedures

Avoid direct contact of Sodium Hydroxide with water, as this can produce a violent exothermic reaction. Use water to cool containers exposed to fire. Contact with reactive metals may result may result in the generation of flammable gas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None.

Protective Equipment: None.

Emergency Procedures: None.

Environmental Precautions: Keep out of water sources and sewers.

Methods for Cleaning-Up: If possible, dike spill and mop or pump into plastic or lacquer lined drums, label "Corrosive" and store away from heat and out of direct sunlight. Residual may be neutralized with citric acid.

Other Precautions: None.

SECTION 7 - HANDLING AND STORAGE

Handling	Storage
Wear appropriate personal protective equipment when handling Sodium Hydroxide and Potassium Hydroxide.	Store in a dry place in accordance with 29 CFR 1910.106 and away from acids, metals, explosives, organic compounds and flammable materials. Do not store in containers made from tin, aluminum, zinc and alloys containing these metals.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
Potassium hydroxide (1310-58-3)	Ceilings	2 mg/m3 Ceiling	2 mg/m3 Ceiling	2 mg/m3 Ceiling	2 mg/m3 Ceiling	Not established
Sodium hydroxide (1310-73-2)	Ceilings	2 mg/m3 Ceiling	2 mg/m3 Ceiling	2 mg/m3 Ceiling	2 mg/m3 Ceiling	Not established
	TWAs	Not established	Not established	Not established	Not established	2 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)		
	Result	United Kingdom
Potassium hydroxide (1310-58-3)	STELs	2 mg/m3 STEL
Sodium hydroxide (1310-73-2)	STELs	2 mg/m3 STEL

8.2 Exposure controls

Engineering Measures/Controls
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory
- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
- Wear chemical splash safety goggles.

Hands
- Wear protective gloves impervious to this material.

Skin/Body
- Wear protective clothing impervious to this material.

General Industrial Hygiene Considerations
- Provide readily accessible eye wash stations & safety showers. Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Destroy contaminated leather articles. Launder or discard contaminated clothing.

Environmental Exposure Controls
- Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear liquid with no odor.
Color	Clear	Odor	Odorless
Odor Threshold	Data lacking		

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES continued

General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	14
Specific Gravity/Relative Density	1.445 to 1.53 Water=1	Water Solubility	Miscible
Solvent Solubility	Data lacking	Viscosity	Data lacking
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	17.5 mmHg (torr)	Vapor Density	0.6 Air=1
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

SECTION 10 - STABILITY AND REACTIVITY

Stability

Stable ☑ Unstable ☐

Hazardous Polymerization

May Occur ☐ Will Not Occur ☑

Conditions To Avoid

Mixing with water, acid, or incompatible materials can cause splattering and release of large amounts of heat.

Incompatible Materials

Acids, aluminum, tin, zinc, and alloys containing these metals, iron, copper, wool, leather, clothing materials, organic chemicals such as nitrocarbons and halogenated hydrocarbons, carbohydrates, phosphorous, explosives and organic peroxides.

Hazardous Decomposition Products

Carbon monoxide with carbohydrates, hydrogen with aluminum, tin and zinc.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure		Symptoms/Effects
Inhalation	☑	Causes respiratory irritation which may develop into serious lung injury depending upon the degree of exposure.
Skin Contact	☑	Corrosive. Can cause severe skin burns. Irritation may not be immediately painful. Greater exposure results in severe burns with scarring.
Eye Contact	☑	Corrosive. Can cause severe eye burns. Contact results in immediate pain and can cause permanent eye damage including blindness.
Ingestion	☑	Corrosive. Contact will cause severe burns of the mouth, throat and stomach.

Long-Term Effects: N/A

	Toxicity	
Hazardous Components	**LD_{50}**	**LC_{50}**
POTASSIUM HYDROXIDE	Oral: 365 mg/kg (rat)	N/A
SODIUM HYDROXIDE	Oral: 500 mg/kg (rabbit)	N/A

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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistance & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Information

Shipping Name:	Sodium Hydroxide, Solution
Hazardous Class:	8
I.D. Number:	UN1824
Packing Group:	II
Label Required:	Corrosive
Marine Pollutant:	No

Exception: This product, when packaged and distributed in a quantity and form intended or suitable for retail sale and designed for consumption by individuals for their personal care or household use purposes, may qualify as a "Consumer Commodity". As such, it can then be exempted from certain labeling, packaging and shipping requirements.

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Acute

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

SECTION 16 - OTHER INFORMATION

Disclaimer : **Revision Date:** 2016/11/22

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Thank you.