

Safety Data Sheet

Enforce

SECTION I - IDENTIFICATION

	Rite-Kem, Inc. 645 Westmoreland Drive Tupelo, MS 38801 (662) 840-6060 Chemtrec :..... (800) 424-9300
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Product Number	ENFORCE
Product Name	Enforce
Synonyms	
CAS Number	Multiple
Date Prepared	5/28/2015
Revision Number	4/19/2018
Recommended Use	Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Corrosive to Metals	Category 1
Skin Corrosion/Irritation	Category 1A, B, C
Serious Eye Damage/Eye Irritation	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3

DANGER!

GHS LABEL:



Hazard Statements

H290	May be corrosive to metals
H314	Causes severe burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

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Precautionary Statements

P234	Keep only in original packaging
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash... thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
p390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in a corrosive resistant/... container with a resistant inner liner.
P501	Dispose of contents/container to...

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2		2 mg/m ³ , Ceiling	2 mg/m ³ , Ceiling
Glycol Ether	112-34-5		Not Established	10 ppm
Alkylphenol Ethoxylate	9016-45-9		Not Established	Not Established

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

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Ingestion: Give large quantities of water . Never give anything by mouth to an unconscious person.
If vomiting occurs, keep head below hips to prevent aspiration into lungs.
If vomiting occurs, keep head below hips to prevent aspiration into lungs.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distance to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate all unprotected personnel from the area.

Environmental Precautions: Contain spill if it can be done with minimal risk.

Methods for Cleaning Up: Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
- NFPA Class III B storage.
- Wash thoroughly after handling.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2	2 mg/m ³ , Ceiling	2 mg/m ³ , Ceiling
Glycol Ether	112-34-5	Not Established	10 ppm
Alkylphenol Ethoxylate	9016-45-9	Not Established	Not Established

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

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Monitoring: Follow accepted work practices for handling a flammable material.
Do not eat, drink or smoke in areas where this chemical is used or stored.
Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistant gloves.
Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red Liquid
Odor	Lemon Odor
pH@25°C	13.00
Melting/Freezing Point	32°F
Flashpoint	N/A
Specific Gravity	1.2
Solubility	Complete
Auto-Ignition Temperature	-
Decomposition Temperature	-
VOC Content	-
Odor Threshold	-
Boiling Range	212°F
Evaporation Point	N/A
Flammable Limits - Upper	N/A
Flammable Limits - Lower	N/A
Vapor Pressure	N/A
Vapor Density (Air=1)	N/A
Viscosity	-

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Prolonged exposure to humid atmosphere

Hazardous Decomposition/Byproducts: Hydrogen gas, CO, extreme heat

Hazardous Polymerization: Will not occur.

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Polymerization Conditions to Avoid: None

Incompatibilities: Amphoteric metals, halogenated hydrocarbons, organic and inorganic acids

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: May cause irritation to the upper respiratory tract and CNS depression. May cause respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness. Chronic overexposure may result in irritation or tissue damage and an increased susceptibility to respiratory illness, and permanent lung damage.

Eye Contact: High vapor concentrations are irritating to the eyes. Will cause severe burns on contact and will damage the eyes.

Skin Contact: Solid or liquid contact can cause severe burns and deep ulcerations.

Ingestion: Moderate to high degree of toxicity by ingestion. May be harmful or fatal if swallowed. Death can result from ingestion. Can cause severe burns and complete tissue damage.

Toxicity:

Component Name	LD50	LC50
Sodium Hydroxide	Not Established	Not Established
Glycol Ether	Oral - Rat - male - 7,291 mg/kg, Dermal - Rabbit - male - 2,764	Not Established
Alkylphenol Ethoxylate	Oral - Rat - 960 - 3,980 mg/kg; Dermal - Rabbit - 2,000 - 2,991	Inhalation - Rat - 4 h - 1.15 mg/l

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

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Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Sodium Hydroxide Solution

Contains:

Hazard Class and Label: 8

Identification Number: UN 1824

Packaging Group: II

Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X			

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

Component Name	CAS #	% by wt.
Glycol Ether	112-34-5	

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)
Sodium Hydroxide	1310-73-2	50%	1,000
Glycol Ether	112-34-5		5,000 lbs

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

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SECTION XVI - OTHER INFORMATION

HMIS Health: 3
HMIS Flammability: 0
HMIS Reactivity: 2

Additional:

Specification Information

Department issuing data sheet: Quality Control

Email address: customerservice@ritekem.com

Training necessary: Follow product use instructions listed on the label. Any additional questions, contact Customer Service at 662-840-6060 or email customerservice@ritekem.com.

Disclaimer:

The information in this Safety Data Sheet and product label is believed to be accurate and reliable as of the date issued. Rite-Kem makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. Accordingly, Rite-Kem will not be responsible for damages resulting from use of or reliance upon this information. The user is responsible for determining whether the Rite-Kem product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application on a Rite-Kem product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Rite-Kem product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.