

MATERIAL SAFETY DATA SHEET

MSDS 0224

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

		HMIS CODES	
PRODUCT NAME	Renewz	Health	3
		Flammability	0
		Reactivity	1
PRODUCT CODES	82644, 82646, 82650, 83795	PPI	D
CHEMICAL FAMILY	Inorganic Base		
USE	Condenser Coil Cleaner		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800)424-9300 USA	
		(703)527-3887 International	
DATE OF VALIDATION	July 25, 2012	TECHNICAL SERVICE TELEPHONE NO.	
		(800)231-3345 or (713)263-8001	
DATE OF PREPARATION	July 25, 2012		

Section 2 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Hazards

Corrosive

GHS CLASSIFICATION

Skin corrosion (Category 1A)

Serious eye damage (Category 1)

Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements

Pictogram: Corrosive

Signal Word: Danger

Hazard statement(s)

H314 - Causes severe skin burns and eye damage.

H402 - Harmful to aquatic life.

Precautionary statement(s)

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/ physician.

SUMMARY OF ACUTE HAZARDS

Exposure to human tissue will result in irritation and chemical burns.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Extremely corrosive to respiratory system.

EYE CONTACT

Corrosive, contact causes severe eye burns.

SKIN CONTACT

Corrosive to skin.

INGESTION

Poison! Swallowing large quantities can cause death and burns to digestive system.

SUMMARY OF CHRONIC HAZARDS

Exposure to human tissue will result in irritation and chemical burns.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin or persons with chemical sensitivity may have increased susceptibility to excessive exposures.

Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Sodium Hydroxide

PERCENTAGE BY WEIGHT: 15

CAS NUMBER: 1310-73-2

EC# : 215-185-5

INGREDIENT: Potassium Silicate

PERCENTAGE BY WEIGHT: 2

CAS NUMBER: 1312-76-1

EC# : 215-199-1

Section 4 -- FIRST AID MEASURES

If INHALED:	If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
If on SKIN:	Flush with large amounts of water. If irritation or burns occur, seek immediate medical attention.
If in EYES:	Flush with large amounts of water for at least 15 minutes. Get medical attention if irritation persists.
If SWALLOWED:	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use agents suitable for surrounding fires.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus

(SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10). Dike area as run-off may create additional environmental contamination

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition forms toxic fumes of sodium oxide. Flammable gas may be produced on contact with metals.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep people away. Wear chemical protective clothing. Stop discharge if possible. Isolate and remove discharged material. Flush and clean area with water

Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Store only in polyethylene or glass containers. DO

OTHER PRECAUTIONS: Do not permit workers to handle Renewz without proper training or proper protective equipment. Store in well-sealed containers, which are protected from physical damage. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse container. KEEP OUT OF REACH OF CHILDREN.

INGREDIENT	UNITS
Sodium Hydroxide	
ACGIH TLV	CL 2 mg/m3
OSHA PEL	CL 2 mg/m3

Potassium Silicate	
ACGIH TLV	N/D
OSHA PEL	N/D

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

BOILING POINT:	>212 F (>100 C) @ 760mm Hg
SPECIFIC GRAVITY (H2O = 1):	1.2
VAPOR PRESSURE (mm Hg):	1 @ 77 F (20 C)
MELTING POINT:	N/A
VAPOR DENSITY (AIR = 1):	>1
EVAPORATION RATE (ETHYL ACETATE = 1):	<1
APPEARANCE/ODOR:	Clear Yellow Liquid/ Little or No Odor
SOLUBILITY IN WATER:	Soluble
FLASH POINT:	None
LOWER EXPLOSION LIMIT:	N/D
UPPER EXPLOSION LIMIT:	N/D
VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight):	0% or (0 g/L)

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition forms toxic fumes of sodium oxide.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA

Ingredient Name

Sodium Hydroxide

Oral-Rabbit, adult LDLo:500 mg/kg

Inhalation-Rat LC50: N/D

Potassium Silicate

Oral-Rabbit, adult LD50: N/D

Inhalation-Rat LC50: N/D

Section 12 -- Ecological Information

ECOLOGICAL DATA

Ingredient Name

Sodium Hydroxide

Food Chain Concentration Potential None

WATERFOWL TOXICITY N/D

BOD None

AQUATIC TOXICITY 125 ppm/96 hr/mosquito fish/TLm

Potassium Silicate

Food Chain Concentration Potential N/D

WATERFOWL TOXICITY N/D

BOD N/D

AQUATIC TOXICITY N/D

Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Corrosive(D002)

Disposal Method: Neutralization

RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in accordance with all local, state and federal regulations.

Section 14 -- TRANSPORTATION INFORMATION

DOT: UN1824, Sodium Hydroxide, Solution, Class 8, PG II, ERG#154

OCEAN (IMDG): UN1824, Sodium Hydroxide, Solution, Class 8, PG II, EMS-No: F-A, S-B

AIR (IATA): UN1824, Sodium Hydroxide, Solution, Class 8, PG II, ERG#154

Section 15 -- REGULATORY INFORMATION

REGULATORY DATA

Ingredient Name

Sodium Hydroxide

SARA 313 No

TSCA Inventory Yes

CERCLA RQ 1000 lb.

RCRA Code N/A

Potassium Silicate

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

WHMIS (CANADA): Class E

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Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001