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## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

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HMIS CODES
PRODUCT NAME Health 3
Renewz Flammability 0
Reactivity 1
PRODUCT CODES PPI D
82644, 82646, 82650
CHEMICAL FAMILY
Inorganic Base
USE
Condenser Coil Cleaner

MANUFACTURER'S NAME
The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

EMERGENCY TELEPHONE NO.
Chemtrec 24 Hours
(800)424-9300 USA
(703)527-3887 International

DATE OF VALIDATION
January 23, 2015
DATE OF PREPARATION

TECHNICAL SERVICE TELEPHONE NO.
(800)231-3345 or (713)263-8001

25-Jul-12

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## Section 2 -- HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW
OSHA Hazards
Corrosive
GHS CLASSIFICATION
Skin corrosion (Category 1A)
Serious eye damage (Category 1)
Acute aquatic toxicity (Category 3)

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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.

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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.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

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| INGREDIENT: Sodium Hydroxide |
|---|
| PERCENTAGE BY WEIGHT: 15<br>CAS NUMBER: 1310-73-2<br>EC# : 215-185-5 |

| INGREDIENT: Potassium Silicate |
|---|
| PERCENTAGE BY WEIGHT: 2<br>CAS NUMBER: 1312-76-1<br>EC# : 215-199-1 |

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Section 4 -- FIRST AID MEASURES

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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.

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Section 5 -- FIRE FIGHTING MEASURES

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EXTINGUSING 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.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

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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

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Section 7 -- HANDLING AND STORAGE

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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 NOT USE METAL CONTAINERS.
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.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas,

use NIOSH/MSHA approved self-contained breathing apparatus. None required for normal use in adequately ventilated areas where TLV is not exceeded.
VENTILATION - LOCAL EXHAUST: Acceptable
SPECIAL: Explosion proof
MECHANICAL (GENERAL): Preferable
OTHER: N/A
PROTECTIVE GLOVES: Rubber or neoprene
EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.
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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT: >212 F (>100 C) @ 760mm Hg
SPECIFIC GRAVITY (H20 = 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)

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Section 10 -- STABILITY AND REACTIVITY

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STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, open flames.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids, flammable liquids, organics, halogens, metals, nitromethane. When wet, attacks chemically active metals such as aluminum, tin, lead, and zinc to produce flammable hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition forms toxic fumes of sodium oxide.
HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

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

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TOXICOLOGY DATA
Ingredient Name

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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

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Section 12 -- Ecological Information

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ECOLOGICAL DATA
Ingredient Name

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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

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Section 13 -- DISPOSAL CONSIDERATIONS

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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.

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Section 14 -- TRANSPORTATION INFORMATION

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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

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Section 15 -- REGULATORY INFORMATION

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REGULATORY DATA
Ingredient Name

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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

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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