CAROLINA LIQUID CHEMISTRIES® CORP.

Safety Data Sheet

Section 1: Identification

1.1. **Product Name:** Wash Concentrate
1.2. **Part Number:** AU-160, AU-2000, CC160, ST160, CC735, ST160, 100263
1.4. **Application of the substance:** Cleaning solution

Manufacturer / Supplier

Carolina Liquid Chemistries, Corp
510 West Central Avenue, Suite C
Brea, California, 92821, U.S.A.
(336) 722-8910

Emergency Response Number:

Chemtrec (24/7) (800) 424-9300

Section 2: Hazard(s) Identification

2.1 **Hazard Classifications**

2.1.1. Acute toxicity, dermal, oral, eye Irritation. Corrosive to metals

2.2 **Hazard Labels**



2.3 **Hazard Statements**

2.3.1 **Skin Contact: Danger-** Causes severe skin burns. Category 1
2.3.2. **Eye Contact: Danger-** Causes severe eye damage. Category 1
2.3.3. **Ingestion: Danger-** Toxic If swallowed. Category 3
2.3.4. **Inhalation: Warning-** May cause irritation to mucous membranes and upper respiratory tract.
2.3.5. **Target Organs:** Not Determined

Section 3: Composition/Information on Ingredients

3.1 Potassium Hydroxide (3%) CAS#1310-58-3
3.2 Triton x 100 (1%) CAS#9036-19-5

Section 4: First-Aid Measures

1. Ingestion: If swallowed, do not induce vomiting. Give water or citric juice to drink, if conscious. Immediately contact a physician.
2. Inhalation: If inhaled, move exposed individual to fresh air.
3. Skin Contact: Flush with plenty of water & wash contact areas with soap and water. irritation or redness persists, contact a physician.
4. Eye Contact: Immediately flush with copious amounts of water for fifteen (15) minutes. Hold eyelids apart while flushing to ensure contact of water with all surfaces of the eye and lid. Contact a physician.
E. Aggravation of Pre-existing Condition: NA

Section 5: Fire-Fighting Measures

A. Flash Point: >73°C
B. Fire Extinguishing Media: As appropriate for fire in surrounding materials.
C. Fire Fighting Procedures: Wear self-contained breathing apparatus & full protective clothing, to prevent contact with skin and eyes.
D. Explosion Hazards:
E. Special Information: Flammable limits unknown

Section 6: Accidental Release Measures

A. Spills: Absorb with absorbent material. Place absorbents into suitable labeled container. Wash spill area with plenty of water after material pick up is complete.

B. Disposal: Dispose of in compliance with regulations regarding waste at your institution. Observe all federal, state and local environmental regulations.

Section 7: Handling and Storage

Storage Requirements: 18-26°C Avoid contact and inhalation. Do not get in eyes, on skin or on clothing. Do not pipette by mouth. Wash contaminated clothing before reuse.

Section 8: Exposure Controls/Personal Protection

A. Airborne Exposure Limits: NA
B. Respiratory Protective Information: Not required if used according to insert
C. Ventilation System: Local exhaust recommended/mechanical required
D. Protective Equipment:
1. **Skin Protection:** Chemical resistant gloves and lab coat required
2. **Eye Protection:** Chemical safety glasses required

Section 9: Physical and Chemical Properties

A. Appearance: Clear, colorless solution
B. Odor: NA
C. Boiling Point: <100°C
D. Evaporation Rate (water = 1): NA
E. Specific Gravity (water = 1): 1.0168 @ 20˚C
F. Percent Volatile: NA
G. Vapor Density (Air = 1): NA
H. Vapor Pressure (mmHg): Unknown
L. Water Solubility: Soluble
M. pH Level: 13.39 25 ˚C

Section 10: Stability and Reactivity

A. Stability - Conditions to Avoid: Stable. Avoid strong acids.
B. Incompatibilities: None known
C. Hazardous Decomposition Products: NA

Section 11: Toxicological Information

Toxicity Data for Hazardous Ingredients

Potassium Hydroxide Oral LD50 Rat: 273 mg/kg

Primary Routes of Exposure The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.

Potential Effects of Acute Exposure Inhalation of dilute alkaline mists may result in irritation of mucous membranes with sore throat, coughing, difficulty in breathing; intense exposure, the lungs may fill with fluid. Contact with dilute solutions may cause irritation or skin injury with redness, fissures and white patches. Eye contact may result in severe burns with possible loss of sight, irritation of eyes and eyelids, pain and intense watering. Ingestion may result in burns to the mouth, throat and stomach with burning sensations in the mouth, abdominal pain, vomiting, diarrhea, shock and loss of consciousness.

Potential Effects of Chronic Exposure Repeated skin contact with dilute alkaline may cause irritation with redness and swelling or burns. Repeated eye contact may cause conjunctivitis with redness, swelling and watering or burns. Depending upon concentration, repeated ingestion may result in inflammatory or ulcerative effects on the mouth with redness, swelling and sores in the mouth.

Symptoms of Overexposure Symptoms of overexposure may include: redness, burning and watering of the eyes; dry, red, cracked skin; coughing and difficult breathing; nausea and vomiting.

Carcinogenicity No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.

Other Effects None identified.

Conditions Aggravated by Exposure Individuals with eye, skin or kidney disorders may find these conditions aggravated by exposure to this product.

Section 12: Ecological Information

Ecotoxicity
Ecotoxicity effects: No data available.
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility: No information available

Section 13: Disposal Considerations

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Section 14: Transport Information

May be transported freely
Transportation of this product is not regulated according to the definition of hazardous in 49 CFR (USDOT).

Section 15: Regulatory Information

No Information available

Section 16: Other Information

**Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).*

The information above is provided in good faith. It is believed to be accurate and represents the best information currently available to us. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes. The user is required to comply with all laws and regulation relating to the purchase, use, storage and disposal of the material and must be familiar with and follow generally accepted safe handling procedures. In no event shall Carolina Liquid Chemistries be liable for any claims, losses or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if Carolina Liquid Chemistries has been advised of the possibility of such damages.