SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: SC15L
PRODUCT TYPE: REGISTERED ANTIMICROBIAL AGENT
CHEMICAL FAMILY: INORGANIC SALT

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>OSHA STEL</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
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<tr>
<td>SODIUM CHLORITE</td>
<td>7758-19-2</td>
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<tr>
<td>SODIUM CHLORATE</td>
<td>7775-09-9</td>
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<td>SODIUM CHLORIDE</td>
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<tr>
<td>SODIUM SULFATE</td>
<td>7757-82-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

THIS CLEAR BLUE LIQUID IS AN OXIDIZER AND CORROSIVE AND IS HARMFUL IF SWALLOWED.

INHALATION: SHORT TERM EXPOSURE: irritation (possibly severe), burns, difficulty breathing, headache, dizziness, pulmonary edema
LONG TERM EXPOSURE: to our knowledge, no effects are known

EYE CONTACT: SHORT TERM EXPOSURE: irritation (possibly severe), may cause burns, blurred vision, may cause blindness
LONG TERM EXPOSURE: to our knowledge, no effects are known

SKIN CONTACT: SHORT TERM EXPOSURE: irritation (possibly severe), may cause burns
LONG TERM EXPOSURE: dermatitis

INGESTION: SHORT TERM EXPOSURE: harmful or fatal if swallowed, irritation (possibly severe), burns
LONG TERM EXPOSURE: blood disorders, kidney damage, reproductive effects

CHRONIC: NO SIGNIFICANT EFFECTS HAVE BEEN FOUND.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT DETERMINED
SECTION 4.  FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support (Cardio-Pulmonary Resuscitation/Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

SKIN CONTACT: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

EYE CONTACT: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIAN: Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. If these vapors are inhaled, monitor patient closely for delayed development of pulmonary edema which may occur up to 48-72 hours post-inhalation. Following ingestion, neutralization and use of activated charcoal is not indicated.

SECTION 5.  FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Negligible fire hazard. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. This product may represent an explosion hazard if it contacts acids, chlorine or organic materials (Refer to Section 10).

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

FIRE FIGHTING: Wear NIOSH approved positive-pressure self-contained breathing apparatus. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water.
spray until well after the fire is out. Flood with fine water spray. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive
SENSITIVITY TO STATIC DISCHARGE: Not sensitive
FLASH POINT: Not applicable
HAZARDOUS COMBUSTION PRODUCTS:
   Thermal decomposition products or combustion: chlorine, oxides of sodium

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:
WEAR GOGGLES, RUBBER GLOVES AND A RUBBER APRON.

PROCEDURE:

LAND:
COLLECT AND TRANSFER TO A WASTE DRUM.
PREVENT ANY MATERIAL FROM GOING TO A STORM SEWER, STREAM, OR RIVER.

WATER:
NOTIFY AUTHORITIES.

OCCUPATIONAL RELEASE:
Keep unnecessary people away, isolate hazard area and deny entry. Contain spill. Spill materials may be absorbed using nonflammable commercial absorbents. Damper and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Keep collected material damp and put into drums. Dispose promptly. Dried material can ignite upon contact with combustibles. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

SECTION 7. HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry place. Store in a well-ventilated area. Store below 212°F (100°C). Avoid exposure to sunlight or ultraviolet light. Keep separated from incompatible substances (see Section 10 of the MSDS).

HANDLING: Do not taste or swallow. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mist when opening container. Avoid creation of vapor or mist. Wash thoroughly after handling. Use clean utensils. Do not add the product to any dispensing device containing residuals of other
products. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter. Dried material can ignite upon contact with combustibles.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: USE LOCAL EXHAUST VENTILATION.

EYE PROTECTION: Wear chemical safety goggles with a faceshield to protect against skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear protective clothing to minimize skin contact. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.

GLOVES: Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES: neoprene

OTHER PROTECTION: EYE WASH STATION

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid
APPEARANCE: slightly cloudy
COLOR: pale, yellow
ODOR: slight chlorine odor
MOLECULAR WEIGHT: 90.45
MOLECULAR FORMULA: NaClO2
BOILING POINT: Not available
FREEZING POINT: Not available
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
SPECIFIC GRAVITY (water=1): 1.1-1.3 @ 25/25 C
DENSITY: 11.1 lbs/gal @ 35 C
WATER SOLUBILITY: soluble
PH: >12 @ 25 C
VOLATILITY: 59-85 % by volume
ODOR THRESHOLD: Not available
EVAPORATION RATE: Not available
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available
SECTION 10.  STABILITY AND REACTIVITY

STABILITY:  STABLE

HAZARDOUS DECOMPOSITION PRODUCTS:
Decomposition products on contact with acids: chlorine dioxide gas
Thermal decomposition products or combustion: chlorine, oxides of sodium

HAZARDOUS POLYMERIZATION:  NONE

INCOMPATIBILITIES: acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter

SECTION 11.  TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION:
CAS#:  NONE
IARC: NOT LISTED  NTP: NOT LISTED
OSHA: NOT LISTED  ACGIH: NOT LISTED

SECTION 12.  ECOLOGICAL INFORMATION

DANGEROUS TO ANIMALS - IMMEDIATELY CLEAN UP SPILLS.

SECTION 13.  DISPOSAL CONSIDERATIONS

DISPOSE IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL GUIDELINES.

SECTION 14.  TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:
PROPER SHIPPING NAME: Chlorite solution
ID NUMBER: UN1908
HAZARD CLASS OR DIVISION: 8
PACKING GROUP: II
LABELING REQUIREMENTS: 8

SECTION 15.  REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):

CORPORATE OFFICE: 113 Bloomingdale Road, Hicksville, NY 11801  (516) 932-3030  FAX: (516) 932-0014
Representation in the Continental United States, Hawaii and Puerto Rico  TOLL FREE: (800) 247-3973
Members of: CTI  • ASHRAE  • NADCA  • AWT  • ACCA  • BOMA  • AFE  • NAPE
www.cascadewater.com

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Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: Yes
CHRONIC: Yes
FIRE: No
REACTIVE: No
SUDDEN RELEASE: No


TSCA: ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY

SECTION 16. OTHER INFORMATION

NFPA RATINGS:

HEALTH HAZARD.....3
FLAMMABILITY......0
REACTIVITY.........1
OTHER.................., CORROSIVE

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0-INSIGNIFICANT  1-SLIGHT  2-MODERATE  3-HIGH
4-EXTREME       U-UNKNOWN  *-NO INFORMATION