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# Material Safety Data Sheet

## SECTION I • PRODUCT IDENTIFICATION

**Trade Name:** Scaletec Plus® - Scale / Stain Remover and Inhibitor

**Product Code:** #20064

**MSDS Date:** 09-13-2001

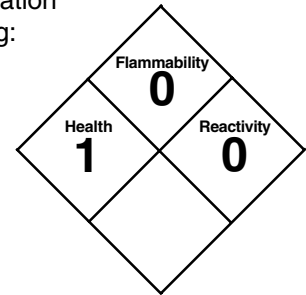
**Supersedes:** 04-24-2000

**CAS Number:** Proprietary

**OSHA Hazard:** None

**DOT Hazard Class:** Non-hazardous

**NFPA Designation Hazard Rating:**  
4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal



## SECTION II • HAZARDOUS INGREDIENTS

### Ingredient Information:

1. Sodium hydroxide, CAS #1310-73-2, active component - less than 2%

The balance of the components comprises proprietary trade secret information.

## SECTION III • PHYSICAL CHARACTERISTICS

**PHYSICAL FORM:** Liquid

**COLOR :** reddish-pink color

**ODOR:** Very slight odor

**pH (as is):** 11.5 to 11.8

**BOILING POINT:** > 100 °C (> 212 °F)

**MELTING POINT:** Below 0 °C

**SPECIFIC GRAVITY:** 1.094 @ 20 °C

**SOLUBILITY IN WATER:** Miscible water in all proportions

**EVAPORATION RATE:** < 1

**VAPOR PRESSURE:** Not relevant

## SECTION IV • FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** Not applicable

**FLAMMABLE LIMITS:** Lower: N/A Upper: N/A

**EXTINGUISHING MEDIA:** Water fog, foam, CO<sub>2</sub> and dry chemicals

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE HAZARDS:** None

## SECTION V • REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur.

## SECTION VI • HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Eye contact, skin contact, and ingestion.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

Acute Effects Of Exposure:

1. Eye Contact: Probable eye irritant. Effects may range from mild to severe depending on the length of exposure, solution concentration and first aid measures.
2. Skin Contact: Minimal skin irritation is expected. Effects may vary depending on the length of exposure, solution concentration and first aid measures.
3. Ingestion: May be harmful. Liquid may cause mouth and throat irritation resulting in nausea, vomiting and/or abdominal pain. No data is available on human ingestion.

Chronic Effects Of Exposure:

The effects from chronic exposure to this product have not been evaluated.

CARCINOGENICITY: No data is available

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE: Persons with pre-existing eye conditions may be more susceptible to the effects of overexposure to **Scaletec Plus**.

EXPOSURE LIMITS: Not established for this product.

### FIRST AID MEASURES:

EYE CONTACT: In case of contact, flush eyes with plenty of clean running water for up to several minutes or longer until all traces of product are removed. Lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Consult a physician if irritation persists.

SKIN CONTACT: In case of contact, flush skin with plenty of clean running water to remove all traces of product. If necessary, remove and wash contaminated clothing and shoes. If a burn or irritation occurs, call a physician.

INGESTION: If swallowed, DO NOT induce vomiting. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) or two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

## SECTION VII • PRECAUTIONS FOR SAFE HANDLING AND USE

### STEPS TO BE TAKEN IN CSE MATERIAL IS RELEASED OR SPILLED:

Initially minimize area effected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Recover as much of the pure product as possible. Later, determine if this recovered **Scaletec Plus** can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals must be neutralized with dilute acid or absorbed onto inert substance. After all visible traces have been removed, flush area with a large amount of water. Generally, neutralized waste may be disposed into a municipal sewer system with a large amount of water. Disposal method must be made in accordance with federal, state, and local regulations.

Based on the products toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments (e.g., water systems, ground, air, equipment, etc.). Minimize adverse effects on these environments. Determine if federal, state, and/or local release notification is required.

### WASTE DISPOSAL METHOD:

Follow federal, state, and local regulations governing the disposal of waste materials.

Spills or Leak Residuals, Contaminated Materials: Determine if waste containing this product can be handled by available effluent system or other on-site waste management unit (e.g. incinerator, deep well, etc.). If off-site management is required, contact a company experienced in industrial waste management.

Empty containers of this product are not hazardous wastes. Triple rinse container with water before discarding in the trash or offer for recycling.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep container closed when not in use. Keep product from freezing. Keep product away from children.

## SECTION VIII • CONTROL MEASURES

RESPIRATORY PROTECTION: None required

VENTILATION: Normal room ventilation is preferable

EYE PROTECTION: Safety glasses preferred

PROTECTIVE GLOVES: None

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash

WORK / HYGIENIC PRACTICES: Handle in accordance with good hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.