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Material Safety Data Sheet

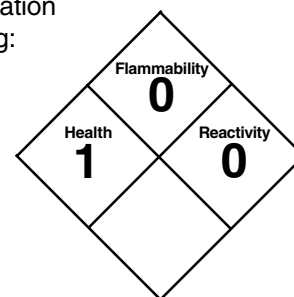
SECTION I • PRODUCT IDENTIFICATION

Trade Name: Protec® - Scale / Stain Remover
and Inhibitor

Product Code: #60008
MSDS Date: 12-16-2004
Supersedes: 10-24-2001
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 1%

The balance of the components comprises proprietary trade secret information.

SECTION III • PHYSICAL CHARACTERISTICS

PHYSICAL FORM: Liquid
COLOR : Pale green
ODOR: Very slight odor
pH (as is): 9.3 to 9.5
BOILING POINT: > 100 °C (> 212 °F)
MELTING POINT: Below 0 °C
SPECIFIC GRAVITY: 1.040 @ 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, CO₂ and dry chemicals
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE HAZARDS: None

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: Possible 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 **Protec**.

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 at least 15 minutes. 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.

STEPS TO BE TAKEN IN CASE 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 **Protec** 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 or goggles

PROTECTIVE GLOVES: Impervious or rubber gloves

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.