

Northland Chemical Corp.

1170 Eagan Industrial Rd, Eagan, MN 55121

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MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/2012

Section 1 - PRODUCT IDENTIFICATION

Product Name: .. Eliminate
Generic Name: ... Mold & Mildew Remover
Suppliers Name: .. NORTHLAND CHEMICAL CORP.
Suppliers Address: 1170 Eagan Industrial Rd, Eagan, MN 55121

Chemical Family: ... N/A
Formula: N/A
Phone: 651-414-6246
Emergency: 800-255-3924

NPCA Hazardous Materials Identification

Health	2
Flammability	0
Reactivity	1
Maximum Personal Protection	B

Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	OSHA PEL	ACGIH TLV	OTHER LIM
Sodium Hydroxide	1310-73-2	Approx 2%	2mg/m3		
Sodium Hypochlorite	7681-52-9	Approx 4%	N/A		

Section 3 - PHYSICAL DATA

Boiling Point: 110 °C
Vapor Pressure(mm Hg): Water
Vapor Density(AIR=1): N/A
Solubility in Water: Complete
Appearance and Odor:: Clear to light yellow/Fresh Scent & bleach.

Specific Gravity: 1.034
LBS Per Gallon: 8.61
Evaporation Rate: N/A
pH: Alkaline

Section 4 - FIRE AND EXPLOSION DATA

Flash Point (Method Used): N/A
Flammable Limits: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: Avoid fumes from spills, dilute with large amounts of water. Be prepared to use respiratory protection. Acid contamination may cause irritating fumes similar to chlorine gas.
Unusual Fire and Explosion Hazards: Product decomposes when heated, decomposition may cause containers to rupture or explode. Vigorous reaction may occur with oxidizing agents.

Section 5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat, light exposure, decrease in pH, contamination with heavy metals, ammonia or acids.
Incompatibility (Materials to Avoid): Strong oxidizers, alkalies, acids.
Hazardous Decomposition Products: Chlorine gas.

Hazardous Polymerization: Will not occur.

Section 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:
Store in a cool, dry area in closed containers. Keep away from sunlight and incompatible materials.
If containers are heated, vent off decomposition products.

Section 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Primary Routes of Entry:

Skin:Skin irritant, will cause skin damage as well as dermatitis with chronic exposure.
Eyes:Will cause irritation if in contact with eye.
Inhalation:Causes irritation to mucous membranes. Use should be in well ventilated area.
.....Very little hazard from properly stored solution.
Ingestion:Causes irritation of membranes in mouth and throat and stomach, CD 50(rat) for
.....NaOCl is 13g/kg body weight. For NaOCl LD 50(rat) is 140-340 mg/kg/body weight.

First Aid Procedures:

EyesFlush with large amounts of water for at least 15 minutes . Lift upper and lower
.....lids to ensure complete rinsing. Get Medical Attention.
SkinFlush with large amounts of water for at least 15 minutes . Remove contaminated
.....clothing, launder before reuse.
Inhalation:Remove person to fresh air immediately. If breathing is affected, seek medical
.....attention immediately.
Ingestion:If ingested, drink large amounts of water. Do not induce vomiting. If available,
.....give several glasses of milk.

Section 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection:When fumes are present, use NIOSH respirators.
Protective Gloves:Rubber gloves.
Other Protective Equipment:Use rubber apron if splashing occurs in use of product. Eye
.....wash/Safety Shower.

Ventilation:No special ventilation is required unless exposed to decomposition
.....conductors, i.e. spills or acid solutions.
Eye Protection:If splashing is likely, chemical goggles.
Work/Hygienic Practices: N/A

Section 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Do not allow spilled material to go in sewer or streams. Reduce with chemicals (Disulfides or ferrous salts. heat will result.)
Keep on alkaline side, dilute with water, avoid heat. Before flushing residue and/or product local sewer system, check pH of acceptable effluent water in accordance with local water treatment plant.

Waste Disposal Method:

Dispose of in accordance with local, state and federal regulations.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.