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PRODUCT HAZARD RATING:

Health = 3

Flammability = 0

Reactivity = 0

(Rating Legend: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant)

EMERGENCY TELEPHONE NUMBERS:

800-424-9300 CHEMTREC (transportation & spills)

800-900-4044 Poison Control (human health)

Date Prepared: 8.24.09 (replaces 5.10.96)

Trade Name: **Shingle Shield Roof & Deck Cleaner**

SECTION I HAZARDOUS INGREDIENT DATA

Sodium Hydroxide (CAS No. 1310-73-2)OSHA PEL: 2mg/m³ACGIH TLV: 2mg/m³ ceiling

12 -14% in concentrated form (as is).

1 - 2% when product is diluted 9 parts water to 1 part cleaner.

Contains no other ingredients known to be hazardous as defined by OSHA 29 CFR 1910.1000 (subpart Z) and OSHA CFR 29 1910.0200.

SECTION II PHYSICAL DATA

Boiling Point: 212° F.**Specific Gravity** (H₂O=1): 1.14 at 60° F.**Vapor Pressure** (mm Hg.): Not known.**Vapor Density** (Air = 1): Not Applicable**Solubility in Water:** Complete**Melting Point:** Not applicable**Evaporation Rate** (n-Butyl Acetate =1): < 1**Appearance and Odor:** Yellow-green liquid with mild odor

SECTION III FIRE AND EXPLOSION HAZARD DATA

Flash Point: None**Flammable Limits:** Not Applicable**LEL:** Not Applicable**UEL:** Not Applicable**Extinguishing Media:** Water, Dry Chemical, CO₂, or alcohol foam. Fire and heat may drive off water leaving a chemical that may burn.**Special Fire Fighting Procedures:** When fighting fire in a confined space, wear self-contained breathing apparatus. Cool fire exposed containers with water spray to prevent rupture.**Unusual Fire and Explosion Hazards:** None known.

SECTION IV HEALTH HAZARD DATA

Inhalation: Concentrate is not volatile so no inhalation should be possible. Avoid breathing spray mist as it may cause damage to upper respiratory tract and lung tissue.**Skin:** Product can be destructive to tissue and produce burns. Avoid contact with skin.**Ingestion:** Harmful if swallowed. It can cause severe burns and tissue perforation of mucous membranes of the mouth, throat and stomach.**Chronic:** Mist or spray of concentrate could result in increased susceptibility to respiratory illness. Concentrate may be corrosive to all body tissue.**Signs & Symptoms of Exposure:** Irritation, stinging or burning sensation.**Medical Conditions Generally Aggravated by Exposure:** None known

EMERGENCY AND FIRST AID PROCEDURES

Skin: Remove contaminated clothing. Flush skin thoroughly with water for 15 minutes. If skin becomes dry, apply moisturizing cream or petroleum jelly. If skin is burned, seek immediate medical attention.

Eyes: Rinse with water. Remove contacts, if any, and flush with water for 15 minutes. Contact physician if needed.

Inhalation: If respiratory discomfort or irritation occurs, move to fresh air. See a physician if discomfort or irritation continues.

Ingestion: If concentrate is swallowed, do not induce vomiting. Give large quantities of water. Contact physician at once.

SECTION V REACTIVITY DATA

Stability: Stable under normal conditions.

Conditions to avoid: None

Incompatibilities: Store away from oxidizers such as aluminum, zinc and tin.

Hazardous Decomposition: None

Hazardous Polymerization: Will not polymerize.

SECTION VI SPILL OR LEAK PROCEDURES

If material is released or spilled: Soak up with absorbent material.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

SECTION VII CONTROL MEASURES

Respiratory Protection: If necessary, use MSHA/NIOSH approved air-supplied respirator.

Ventilation: Local exhaust is sufficient, if not available, use mechanical exhaust.

Protective Gloves: Impervious gloves (such as rubber, neoprene, polyethylene) should be used when handling the product.

Eye Protection: Wear goggles in case of splash hazard.

Protective Clothing: Wear appropriate clothing to avoid skin contact.

Other Protective Equipment: During application of product, rubber sole waterproof shoes or boots should be worn.

SECTION VIII SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store product at temperatures above 55° F.

Keep containers closed when not in use. Avoid contact with skin and eyes. Do not ingest. Avoid breathing mist. Do not sit in solution.

Other Precautions: Allow product to warm to room temperature before dilution.

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