

MT. HOOD CHEMICAL CORPORATION (MT. HOOD SOLUTIONS)

14546 N. Lombard

Portland, Oregon 97203

Emergency Phone: 503-227-3505

N/A = NOT APPLICABLE

NA = NOT AVAILABLE

MATERIAL SAFETY DATA SHEET**PRODUCT NAME: FREEDOM**

DATE PRINTED: 5/8/2012

PRODUCT NAME: FREEDOM

PREPARED BY: Mt. Hood Chemical

Date: August 9, 2004

CHEMICAL FAMILY: Liquid Mixture

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):

%

EXPOSURE LIMITS, ppm: ACGIH TLV OSHA-PEL

None

N/A

N/A

N/A

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None

PHYSICAL PROPERTIES:

Boiling Point: About 200°F

Solubility in Water: 100%

Specific Gravity - Liquid (H₂O = 1): 1.01.-1.03

Odor and Appearance: Blue liquid; Mild citrus odor

pH (concentrate): 7.5-8.0

% Volatiles: NA

% Volatile Organic Content (VOC): < 1%

Vapor Density (Air = 1): N/A

FIRE AND EXPLOSION DATA:

Flash Point: None

Extinguishing Media: Water, CO₂, foam, dry chemical

Special Firefighting Procedures: None

Flammability Limits: N/A

Unusual Hazards: None

HEALTH EFFECTS:

Effects of overexposure: May cause temporary minor eye irritation. Prolonged skin contact may cause minor irritation or dryness in some sensitive individuals. Ingestion may cause nausea and diarrhea.

Chronic effects of overexposure: None known or expected.

Medical conditions that may be aggravated by exposure: None known or expected.

Primary routes of entry: Ingestion, skin contact

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush thoroughly with plenty of water for at least fifteen minutes. If irritation persists, see a physician.

Skin Contact: Flush thoroughly from skin with soap and water.

Ingestion: Drink plenty of water and call a physician immediately. Do not induce vomiting unless instructed by a physician.

Inhalation of mist or vapor: N/A

REACTIVITY DATA:

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Disinfectants, bleach, chlorinated products, strong acids, or bases will reduce product effectiveness.

Hazardous Decomposition Products: None

Conditions to Avoid: Incompatible chemicals, high temperatures, or direct sunlight will reduce effectiveness.

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Flush to sewer with plenty of water, mop up, or absorb on an absorbent.

Waste disposal method: According to local, state, or federal ordinances.

SPECIAL PROTECTION INFORMATION:

Ventilation: NA

Respiration Protection: None required in normal use

Eye Protection: None required. Safety glasses with face shields or splash goggles are recommended if splashing possible.

Protective Gloves: Impervious gloves recommended. Disposable impervious nitrile or latex gloves are suitable for preventing prolonged contact.

Other Protective Equipment: None required

SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a cool place away from direct sunlight. Do not store in areas where temperatures may exceed 140°F. Keep from freezing. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None

HAZARD RATING:

Health:

1

0 = Minimal

3 = Serious

Fire:

0

1 = Slight

4 = Severe

Reactivity:

0

2 = Moderate

Specific Hazard:

N/A

P R O D U C T I N F O R M A T I O N

FREEDOM – No-Rinse Floor Cleaner

GENERAL DESCRIPTION:

FREEDOM is a no-rinse floor cleaner designed for removing grease, grime and food soil from quarry tile and other porous flooring. Ideal for kitchens and food service areas. FREEDOM flows into cracks, crevices, and pores to continue digesting and biodegrading the hidden grease and food soil. FREEDOM will brighten dingy grout with repeated usage.

PROPERTIES:

Form:	Liquid
Color:	Blue
Odor:	Mild citrus scent

USE DIRECTIONS:

Daily Cleaning: Clean and sweep floor. Fill bucket with 2 ounces of FREEDOM per gallon of clean water. Apply the FREEDOM with a clean mop. Allow the solution to penetrate the soil. Brush with a stiff bristled brush. Mop up or squeegee solution. Allow to air dry. **DO NOT RINSE.**

New Application: Use 4 ounces FREEDOM per gallon for 21 days, then reduce to 2 ounces FREEDOM per gallon for daily maintenance.

CAUTION:

May cause temporary minor eye irritation. Prolonged skin contact may cause irritation or dryness in some sensitive individuals. For contact with eyes, flush with plenty of water for at least 15 minutes. If eye irritation persists, see a physician. For skin contact, wash with soap and water. Avoid breathing mist. Do not ingest. Consult the Material Safety Data Sheet for additional safety information and precautions.

KEEP OUT OF REACH OF CHILDREN.

PACKAGING:

5 gal. Pail
4x1 gal./case

12/06