



MINERAL DEPOSIT REMOVER #5060

NFPA RATING: Health = 2
Flammability = 0
Reactivity = 0

HMIS RATING: Health = 2
Flammability = 0
Physical Hazard = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name: Life Floor®
Address: 2010 Hennepin Ave #8
Minneapolis, MN 55413
Emergency Telephone: (800) 424-9300
Only in the event of chemical
Emergency involving a spill, leak, fire,
exposure or accident involving chemicals

Product Name: Mineral Deposit Remover
Date Prepared: August 14, 2012 (version 1)
Prepared By: Regulatory Affairs Department
Other Information Calls: (612) 567-2833
Solutions@lifefloor.com

SECTION II – INGREDIENTS/IDENTITY INFORMATION

Components

Chemical Identity	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Phosphoric Acid ⁽¹⁾	7664-38-2	1mg./m ³	1mg./m ³	3mg/m ³	30-35%
Water	7732-18-5	none	none	N.A.	---
Linear Primary Alcohol Ethoxylate	68439-46-3	not est.	not est.	N.A.	---

*This product contains the following chemicals subject to the reporting requirements of SARA Title III, Sec. 313,
and 40 CFR Part 372:Phosphoric acid.

⁽¹⁾Regulated by OSHA, CT, DE, FL, ID, IL, LA, MA, MN, NJ, NY, PA, RI, WA, WI.
VOC (less water) =2 g/l.;

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 214°F
Vapor Pressure (mm Hg.): 17.0
Vapor Density (AIR =1): 1.0
Solubility in Water: complete

Specific Gravity (H₂O = 1): 25°C = 1.07
Evaporation Rate (ethyl ether = 1): slower than 1
Appearance and Odor: Clear, colorless liquid; non-objectionable odor

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None to Boiling (T.C.C.)
Flammable Limits: LEL = N.A. UEL = N.A.
Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray.
Special Fire Fighting Procedures: Hot phosphoric acid is corrosive. Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Unusual Fire and Explosion Hazards: May generate hydrogen gas in contact with some metals.





SECTION V – PHYSICAL HAZARDS

Stability: Stable

Conditions to Avoid: None known to manufacturer.

Incompatibility (Materials to Avoid): Corrodes some metals and alloys; cyanides and strong alkalies (ammonia) or bleach.

Hazardous Decomposition Products or Byproducts: Hydrogen gas from contact with some metals.

Hazardous Polymerization: Will not Occur

Conditions to Avoid: N.A.

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation: by mist Skin: yes Ingestion: Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. According to Primary Skin Irritation Test (FHSA), product concentrate is severe irritant on prolonged exposure; Eye Irritation Test (FHSA) = eye irritant. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours. Prolonged skin contact may cause skin burns. Spray mist may irritate nose and throat. Harmful or fatal if swallowed.

2. Chronic local effects may consist of multiple areas of superficial destruction of skin or dermatitis

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No

I.A.R.C. Monographs = No

OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure: Contact: eye irritation and/or burns of skin, and on mouth and lips after ingestion, with sour taste of acid, severe gastrointestinal irritation, nausea, vomiting, bloody diarrhea. Inhalation of high concentrations of vapors results in respiratory and eye irritation, narcosis, headache, nausea, dizziness.

Medical Conditions Generally Aggravated by Exposure: None known to manufacturer.

Emergency and First Aid Procedures: If swallowed, immediately give large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Do not induce vomiting. Call a physician immediately. In case of contact, immediately flush eyes or skin with plenty of water for 15 minutes. For eyes, GET PROMPT MEDICAL ATTENTION. Remove and wash all contaminated clothing before reuse. If excess inhaled, remove to fresh air.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb with floor dry or similar inert material. Sweep or scrape up and put in appropriate container. Rinse spill area thoroughly with water. Avoid contamination of storm drains, sewers, or other unauthorized treatment drainage systems and natural waterways.

Waste Disposal Method

Disposal is regulated under the Resource Conservation and Recovery Act (40 CFR 261.22) as a corrosive waste. Regulated quantities should be neutralized by a permitted facility in accordance with applicable local, state, and federal regulations.

Precautions To Be Taken In Handling And Storing

Product residue may remain on or in empty containers. All precautions for handling the product must be used in handling the empty container or residue. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements.

Other Precautions

Avoid breathing fine fog spray mist. Use with adequate ventilation. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 for technical guidelines on keeping air contamination below applicable exposure limits. Avoid contact with skin, eyes and clothing. Do not take internally.





SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Not usually necessary. If spraying in a fine fog mist use NIOSH approved respirator (TC-21C-279, TC-23C-736, or T 23C-745).

Ventilation: At least 3 air exchanges per hour suggested in good public restrooms.

Local Exhaust: Recommended

Mechanical (General): Recommended

Special: N.A.

Other: N.A.

Protective Gloves: Impervious gloves (rubber).

Eye Protection: Chemical safety goggles.

Other Protective Clothing or Equipment: Not usually necessary

Work / Hygienic Practices: Wash thoroughly after handling. Upon contact remove contaminated clothing; wash before reuse.

SECTION IX – TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no; IMCO = no; IATA = no

Proper shipping name: Cleaning compound

UN No.: not applicable

Limited Qty.: not applicable

Hazard Class: not applicable

Labels required: not required

DOT Exception: not applicable

EPA Hazardous waste number / code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity** = **yes**; **Reactivity** = not applicable

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