



For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: + 1703-527-3887  
(collected call accepted)

**MATERIAL SAFETY DATA SHEET**

**PRODUCT:** Polish Stripper

**DISTRIBUTOR:** Tile & Floor Care Chemicals  
**DISTRIBUTORS ADDRESS:** 4340 NW 19th Ave  
Deerfield Beach  
FL 33064

**Telephone:** 954-968-3445  
**Facsimile:** 954-968-2844  
**After Hours:** 561-866-4483

**Website Address:** [www.tilecare.net](http://www.tilecare.net)  
**E-mail Address:** [enquiries@tilecare.net](mailto:enquiries@tilecare.net)

**MSDS PREPARED BY:** TFC USA  
**MSDS PREPARATION DATE:** 14/04/2010

**PREPARER TEL:** 954-968-3445

**1. Product Name:** Polish Stripper

**Intended Use:** Acrylic polish remover  
**Chemical Name:** -  
**Chemical Family:** -  
**Synonyms:** -  
**Empirical Formula:** -

**2. Composition / Information on hazardous ingredients**

Ingredients	CAS	LD <sub>50</sub>	LC <sub>50</sub>
Potassium Hydroxide	1310-58-3	273mg/kg	-
Sodium Metasilicate	6834-92-0	1349.3mg/kg	-

**3. Hazard Identification**

**Route of Entry:** Skin contact, Eye contact, Ingestion and Inhalation.

**Emergency Overview:** The substance may be toxic to upper respiratory tract, skin and eyes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction or dermatitis. Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage.

**Potential Health Effects:** Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive) of ingestion and of inhalation. The amount of tissue damage depends on the length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastrointestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering and itching. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.

**4. First Aid Measures**

**Skin Contact:** In case of skin contact, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing and shoes before reuse. Get medical attention immediately.

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**5. Fire Fighting Measures:**

**Flammable:** No

**Means of Extinction:** As per surrounding materials.

**Flashpoint (°C) and Method (oc or cc):** Not available

**Upper Flammable Limit (% by volume):** Not available

**Lower Flammable Limit (% by volume):** Not available

**Autoignition Temperature (°C):** Not available

**Explosion Data - Sensitivity to Impact:** Potentially explosive reaction with bromofoam + crown ethers, chlorine dioxide, nitrobenzen, nitromethane, nitrogen trichloride, peroxidized tetrahydrofuran, 2,4,6-trinitrotoluene. Reaction with ammonium hexachloroplatiate (2-) + heat forms heat sensitive explosive product. Potassium hydroxide will cause explosive decomposition of maleic anhydride. Detonation will occur when potassium hydroxide is mixed with n-methyl-nitrosourea and methylene chloride. Nitrogen trichloride explodes on contact with potassium hydroxide.

**Explosion Data - Sensitivity to Static Discharge:** n/a

**Hazardous Combustion Products:** Violent reaction or ignition under appropriate conditions with acids, alcohols, p-bis(1,3-dibromoethyl) benzene, cyclopentadiene, germanium, hyponitrous acid, maleic anhydride, nitroalkanes, 2-nitrophenol, potassium peroxodisulfate, sugars, 2,2,3,3-tetrafluoropropanol, thorium dicarbide. Molten ortho -nitrophenol reacts violently with potassium hydroxide. When potassium hydroxide and tetrachloroethane are heated, a spontaneously flammable gas, chloroacetylene, is formed. When phosphorus is boiled in a solution of potassium hydroxide, phosphine gas is evolved which is spontaneously flammable. 1,2-Dichloroethylene and Potassium hydroxide reaction produces chloroacetylene which is spontaneously flammable in air. Potassium Persulfate and a little Potassium hydroxide and water will ignite. When wet., attacks metals such as aluminium, tin, lead and zinc, producing flammable hydrogen gas.

## 6. Accidental Release Measures

### Leak & Spill Procedures:

**Small Spills:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

**Large Spills:** Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on the disposal. Neutralize the residue with a dilute solution of acetic acid.

## 7. Handling and Storage

**Handling Procedures & Equipment:** Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes. Keep away from incompatibles such as organic materials, metals, acids and moisture.

**Storage Requirements:** Keep container tightly closed. Keep in a cool, well-ventilated area.

## 8. Exposure Controls/Personal Protection

### Exposure Limits:

ACGIH TLV: 2 (mg/m<sup>3</sup>)  
OSHA PEL: 2 (mg/m<sup>3</sup>)

**Engineering Controls:** General

**Personal Protective Equipment:** Wear appropriate gloves, eye goggles, footwear and clothing.

## 9. Physical and Chemical Properties

**Physical State:** Liquid  
**Odour & Appearance:** Odourless; Milky  
**Odour Threshold (ppm):** Not available  
**Specific Gravity** 1.05mg/ml  
**Vapour Density (Air=1):** Not available  
**Vapour Pressure (mmHg):** Not available  
**Evaporation Rate:** Not available  
**Boiling Point (°C):** >100°C  
**Freezing Point (°C):** Not available  
**pH:** >13  
**Coefficient of Water/Oil Distribution:** Not available  
**Solubility in Water:** Completely Miscible

## 10. Stability and Reactivity

**Chemical Stability:** Yes  
**Incompatibility with Other Substances:** Yes - Reacts with acids and soft metals, e.g. aluminium and magnesium  
**Reactivity:** Extremely corrosive in presence of aluminium, brass and zinc. Slightly corrosive in presence of copper, stainless steel (304). Non corrosive in presence of stainless steel (316)  
**Hazardous Decomposition Products:** Not available

## 11. Toxicological Information:

**Effect of Acute Exposure:** Potassium Hydroxide - Acute oral toxicity (LD<sub>50</sub>): 273 mg/kg [Rat]  
**Effects of Chronic Exposure:** Mutagenic Effects - Mutagenic for mammalian somatic cells. May cause damage to the following organs: upper respiratory tract, skin & eyes.  
**Irritancy of Product:** Yes  
**Skin Sensitization:** Yes  
**Respiratory Sensitization:** No  
**Carcinogenicity:** Not classified as carcinogen  
**IARC (1, 2A or 2B):** n/a  
**ACGIH (A1, A2 or A3):** n/a  
**Reproductive Toxicity:** Not available  
**Teratogenicity:** Not available  
**Embryotoxicity:** Not available  
**Mutagenicity:** Mutagenic Effects - Mutagenic for mammalian somatic cells. May cause damage to the following organs: upper respiratory tract, skin & eyes.  
**Name of Synergistic Products/Effects:** Not available

## 12. Ecological Information:

**Aquatic Toxicity:** Potassium Hydroxide - Ecotoxicity in water (LC<sub>50</sub>): 80mg/l 24 hours [Mosquito Fish]  
**Products of Biodegradation:** The products of degradation are less toxic than the product itself.  
**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

## 13. Disposal Considerations:

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transport Information:

### Special Shipping Information:

**PIN:** Not available  
**TDG:** Not available  
**[DOT]:** Class 8 / Corrosive Material  
**[IMO]:** Not available  
**[ICAO]:** Not available

**15. Regulatory Information:**

[WHMIS Classification]: Class D-1B: Material causing immediate and serious toxic effects. (TOXIC)  
Class E: Corrosive Solid  
[OSHA]: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)  
[SERA]: n/a  
[TSCA]: 8(b) inventory: Potassium Hydroxide

**16. Other Information:**

**Further Information:** The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such used in combination with any other materials or in any other process.

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