

SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier F9 BARC		WHMIS: Toxicity-2, Flammability-0 Reactivity – 0, Special - 0	
Product Use Concrete Cleaner			
Manufacturer's Name: Sunland Chemical		Supplier's Name: Front 9 Restoration, Inc.	
Street Address: 5447 San Fernando Rd. W.		Street Address: 74-075 El Paseo, Suite A-15	
City: Los Angeles, CA	Province	City: Palm Desert, CA	Province
Postal Code: 90039	Emergency Telephone: PERS (800) 633-8253	Postal Code: 92260	Emergency Telephone PERS (800) 633-8253
Date MSDS Prepared 1/2012	MSDS Prepared By M. Cohen	Phone Number (855) 803-1133	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
The precise composition of this product is proprietary information. A more complete disclosure will be provided to a physician in the event of a medical emergency.				Not Available
Ammonium Hydrogen Diflouride	1-5%	1341-49-7	Oral-Rat 60-130 mg/kg	Aquatic-Fish 51 mg/L
Phosphoric Acid	1-8%	7664-38-2	Oral-Rat 1530 mg/kg Dermal-Rat 2740 mg/kg	Dust-Rat 850 mg/m

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview] Hazardous in case of skin, eye, mist or ingestion. Seek medical attention immediately.
[Potential Health Effects] Hazardous to skin and eyes. Liquid or mist may produce tissue damage on mucus membranes of eyes, mouth and respiratory tract. Skin contact can cause irritation. Inhalation of spray or mist may produce irritation of respiratory tract, causing coughing, choking or shortness of breath.

SECTION 4 — FIRST AID MEASURES

Skin Contact: Immediately flush with plenty of water for at least 15 minutes, remove contaminated clothing. Cover area with neutralizer. Seek immediate medical attention.
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Eye Contact: Remove contact lenses at once. Immediately flush with plenty of water for at least 15-30 minutes. Place ice pack on eyes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting unless told to do so by medical personnel. Seek immediate medical attention.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable Yes No n Flammable

If yes, under which conditions?

Means of Extinction N/A

Flashpoint (°C) and Method N/A

Upper Flammable Limit (% by volume)

Lower Flammable Limit (% by volume)

Autoignition Temperature (°C)

Explosion Data — Sensitivity to Impact

Explosion Data — Sensitivity to Static Discharge

Hazardous Combustion Products: Can react with most metals to release Hydrogen gas.

[NFPA] N/A

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures : Dilute with water and mop, or absorb with inert dry material and place in appropriate waste disposal

container. Neutralize with dilute solution of Sodium Carbonate. Call for assistance for local, Federal and State disposal requirements.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment: Do not ingest. Do not breathe fumes or spray. Use with good ventilation. Avoid

contact with skin and eyes. Seek immediate medical attention if eyes come in contact with solution.

Storage Requirements: Keep container tightly closed. Store in cool, well-ventilated area. Do not store in glass containers.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits: ACGIH TLV: STEL:2.6 mg/m3 OSHA PEL:TWA: 3 STEL:6 ppm Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process): Provide exhaust ventilation or other engineering controls to keep vapors below threshold limits.

Ensure eyewash and shower stations are close to work stations.

Personal Protective Equipment <input checked="" type="checkbox"/> Gloves: Neoprene <input checked="" type="checkbox"/> Respirator: Approved for Acids <input checked="" type="checkbox"/> Eye: Splash Goggle <input checked="" type="checkbox"/> Footwear: Impervious Boots <input checked="" type="checkbox"/>
Clothing: Full suit if exposure is possible to a large portion of the body. <input type="checkbox"/> Other
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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Water white liquid	Odor and Appearance: Water white	Odor Threshold (ppm) : N/A
Specific Gravity: 1.075	Vapor Density (air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation N/A	Boiling Point (°C) N/A	Freezing Point (°C) N/A
pH : < 2 (Acidic)	Coefficient of Water/Oil Distribution: N/A	[Solubility in Water] : 100%

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Will react with metals, ammonia, acids, alkalis, bleach or chlorine cleaners. Do not store in glass containers.
Reactivity, and under what conditions? Incompatible with glass, ceramics, alkali materials and can generate hydrogen gas when in contact with metals, cyanides, oxides of silicon.	
Reacts with Acetic anhydride, ammonium hydroxide, ethylene diamine, potassium permanganate,, propylene oxide, sodium hydroxide, vinyl acetate.	
Hazardous Decomposition Products: May form acid vapors, hydrogen fluoride.	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure :SKIN & EYES: Causes severe irritation and burns to skin and eyes. Readily penetrates skin and mucous membranes.	
INHALATION: Causes severe irritation and burns to respiratory tract/lungs.	
INGESTION: Causes severe irritation and burns to digestive tract/stomach.	
Effects of Chronic Exposure : Redness of skin and irritation and burning of the eyes and nose were noted at airborne concentrations between 3ppm and 4.7 ppm. No significant changes in pulmonary function occurred with airborne levels averaging 1.03 ppm. Chronic exposure by inhalation and ingestion include systemic fluoride toxicity, skeletal/bone structure abnormalities and mottling of the teeth.	
Irritancy of Product: Can cause irritation or burns to all exposed skin.	
Skin Sensitization : Redness to skin will occur.	Respiratory Sensitization: Extremely hazardous in case of inhalation.
Carcinogenicity — IARC : Not carcinogenic	Carcinogenicity — ACGIH : Not carcinogenic

responsibility to develop proper methods of handling and personal protection based on the actual
conditions of use. While this MSDS is based on technical data judged to be reliable, neither Sunland nor Front 9 Restoration assume responsibility for the accuracy or completeness of the information contained herein.
Revised 1/3/2013 – DOT Transportation Information