

MATERIAL SAFETY DATA SHEET

HAZARD RATING **201** REACTIVITY
0-EXTREME
1-HIGH
2-MODERATE
3-ELIGHT
4-INSIGNIFICANT
*SEE SECTION IV

TOXICITY
SPECIAL

I. PRODUCT IDENTIFICATION

TRADE NAME: Edfred Floor Tile and Grout Cleaner 42510

MANUFACTURER: Edfred Chemical Corporation Phone: 408-286-0493
1260 Yard Court, STE F
San Jose, CA 95133 Date: January 10, 2002

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	%	Exposure Limits in Air	
			ACGM TLV	OTHER
Phosphoric Acid	7664-38-2	15	1PPM	TWA-1mg/m ³ STEL 3mg/m ³
Nonionic Surfactant	68412-54-4	1	NE	
Water	7732-18-5	84	NE	

III. PHYSICAL PROPERTIES

Evaporation Rate (Water 1): 1 Formula: H₃PO₄ AND WATER
Vapor pressure (mm Hg): VERY LOW Boiling Point, (°F): 2130 F
Specific Gravity (H₂O = 1): 1.13 Vapor Density (AIR = 1): NOT KNOWN
Solubility in Water: INFINITE - SOME WATER WOULD EVAPORATE FROM ACID SOLUTION.
Appearance and Odor: LIGHT BLUE LIQUID - SASSAFRASSY ODOR

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point, (Method Used) NONFLAMMABLE

Flammable Limits in Air, Volume %: N/A Lower (LEL) N/A Upper (UEL) N/A

Fire Extinguishing Materials:

Water Spray Carbon Dioxide Foam Dry Chemical

Special Firefighting Procedures: CORROSIVE: PHOSPHORIC ACID - UNDER FIRE
CONDITIONS MAY GIVE IRRITATING PHOSPHOROUS OXIDE.

Unusual Fire and Explosion Hazards: IN CONTACT WITH METAL, WILL EVOLVE HYDROGEN
GAS WHICH IS FLAMMABLE WITH AIR.

V. REACTIVITY DATA

Stability: X Stable Unstable

Conditions to Avoid: OXIDIZERS (BLEACH)

Incompatibility (Materials to Avoid): OXIDIZERS (BLEACH) - METALS (HYDROGEN GAS MAY EVOLVE.)

Hazardous Decomposition Products or Byproducts: N/A

Hazardous Polymerization: May Occur X Will Not Occur

Conditions to Avoid: NONE

VI. HEALTH HAZARD DATA

Routes of Entry: X Inhalation? X Skin? X Ingestion?

Signs and Symptoms of Exposure: CORROSIVE - CAUSES BURNS. DO NOT GET IN EYES, ON SKIN, AVOID BREATHING MIST. INGESTION: SEVERE INTERNAL IRRITATION AND SEVERE BURNS OF MOUTH AND THROAT.

Carcinogenicity: NTP? NO IARC? NO OSHA? NO

Emergency and First Aid Procedures: FOR CONTACT WITH SKIN AND EYES, FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITY OF WATER. GET MEDICAL ATTENTION.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: FOR SMALL SPILLS: NEUTRALIZE SPILL WITH SODA ASH AND FLUSH AREA WITH COPIOUS AMOUNTS OF WATER. EXERCISE CAUTION, DISPOSE TO DRAIN AS PERMITTED BY LOCAL REGULATIONS.

Waste Disposal Method: LARGE SPILLS: SHOULD BE HANDLED ACCORDING TO A PRE-DETERMINED PLAN IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to be Taken in Handling and Storing: STORE IN COOL DRY AREA. CORROSIVE MATERIAL. PROTECT PACKAGE INTEGRITY.

Other Precautions: DO NOT MIX WITH BLEACH, HOUSEHOLD CLEANERS, OR ANY MATERIAL CONTAINING CHLORINE. KEEP OUT OF REACH OF CHILDREN.

VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE NEEDED Protective Gloves: RUBBER GLOVES

Ventilation: OKAY Local Exhaust NO Mechanical NO Special NO Other

Eye Protection: SAFETY GOGGLES Other Protection: NONE