

KF-45 Etch Material Safety Data Sheet (MSDS)

Revised: 01/02/2012

Formula Number: 8392

PURPOSE: Porcelain Etch-and-Deep-Cleaner Harmonized Schedule "B" Tariff #: 3402.90.5030 Cleaning Preparation
Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, nos DOT Class: Corrosive Liquid, Acidic Inorganic, nos UN Classification: UN 3264, Class 8, Group III

Manufactured for SPR International Inc. 320L Northpoint Pkwy Acworth, GA 30102 USA Phone: 770-966-1331
24 HOUR CHEMICAL EMERGENCY NUMBER: Call 3E 1-800-451-8345 Fax: 770-975-4647

SECTION 1 - INGREDIENTS

MATERIAL	%	PEL	TLV	CAS Number
Orthophosphoric Acid	>35	10ppm	10ppm	7664-38-2
Hydrogen Chloride	>5	5ppm	5ppm	7647-01-0

* SARA Title III applies. No known carcinogenic ingredients. N/E= None Established

SECTION 2 - PHYSICAL DATA

Appearance:	Clear purple liquid
Odor:	Mild wintergreen mint fragrance
Boiling Range:	212 ^o + F (100 ^o + C)
Vapor Density:	>1
Solubility in Water:	Infinite
% Volatile by Weight:	>85%
Specific Gravity:	1.2
pH:	<1.5
Evaporation Rate (water =1):	<1

SECTION 3 - FIRE & EXPLOSION DATA

Flash Point:	Not applicable
Flammable Limits:	Not applicable
Extinguishing Media:	Foam, dry chemical, CO ₂ , water
Special Fire Fighting Procedures:	Not applicable
Unusual Fire or Explosion Hazards:	Not applicable

SECTION 4 - REACTIVITY DATA

Stability:	Stable under normal storage and handling conditions
Conditions to Avoid:	Contact with metals or alkali materials during storage
Incompatibility:	Fluorine, strong oxidizers, bases, sulfur, sulfur trioxide
Hazardous Decomposition:	thermal oxides of phosphorus
Hazardous Polymerization:	Will not occur

SECTION 5 - SPILL OR LEAK PROCEDURE

Spill Response:

Contain spills and establish boundaries to prevent foot traffic in the area. Use a mop or wet vacuum to recover spilled material. Rinse area thoroughly.

Waste Disposal:

Dispose of in accord with Federal, State & Local law in a sanitary sewer system, flushing with water. Prevent release to creeks & natural waterways. Dispose of absorbents at a sanitary landfill according to applicable laws.

Prepared according to CFR 1910.1200 The information contained herein is believed to be accurate but is not warranted to be so. User is advised to confirm in advance that the information is current and the formula is suitable for the intended use. User is responsible for hazard evaluation according to local regulations.

SECTION 6 - HEALTH HAZARD DATA

Health Hazards:

Carcinogenicity: None

Medical conditions aggravated by exposure: Previously existing
Respiratory problems may be aggravated by exposure to vapors during use
Previously existing skin sensitivities may be irritated by contact.

ROUTES OF ENTRY & SIGNS OF EXPOSURE:

Eyes:	Severe Eye Irritant. May cause conjunctiva, swelling & blindness
Skin:	Irritant causing redness
Inhalation:	Vapors of product & reaction during use may cause irritation
Ingestion:	Possible nausea and vomiting

EMERGENCY FIRST AID:

Eyes:	Flush with fresh water for 15 minutes, seek medical attention
Skin:	Flush area with fresh water, see physician if irritation persists
Inhalation:	Remove to fresh air
Ingestion:	Do not induce vomiting! Seek medical attention immediately

SECTION 7 - PROTECTION & HANDLING

PERSONAL PROTECTION:

Eye Protection:	Safety glasses recommended at all times
Ventilation:	Sufficient to dissipate concentrated vapors
Respiratory Protection:	Not required
Skin Protection:	Wear nitrile gloves

Practice good hygiene. Do not allow protective wear to become wet so as to trap fluid against the skin. Wear appropriate protection to prevent contact.

Remove contaminated protective wear, clothing, and shoes immediately to wash them thoroughly and allow them to dry before wearing again. Wash skin that has come into contact with any chemical immediately. Read and follow all label directions.

Storage and Handling:

KEEP OUT OF REACH OF CHILDREN!

Do not store in direct sunlight. Storage temperature should be maintained between 50 and 95 degrees Fahrenheit (between 10 and 35 degrees Celsius). Keep containers closed when not pouring. Do not transport or measure chemicals in food or beverage containers. Empty containers should never be used for food or beverage. Do not eat or drink around exposed chemicals. For use by trained personnel only.