

FT102 Phosphoric Acid Conditioner

FT102 Phosphoric Acid Conditioner is a buffered acid, used to etch and profile concrete that has had a metallic hardened surface prior to the application of thin mil products. Helps to prevent acid fumes from damaging machinery or roller conveyers, and reducing repair or replacement costs.

I. IDENTIFICATION

Manufacturer Phone: 614.790.3333
Trade Name: FT102 Phosphoric Acid Conditioner
Product Type: Phosphoric Acid
HMIS Codes: Health=3 Flammability=0 Reactivity=0
DOT Shipping Name: Phosphoric acid, 8, UN1805, III.
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENT:	CAS #	WEIGHT %	OSHA PEL-TWA	OSHA VPEL-STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
PHOSPHORIC ACID	7664-38-2	75.0%	1.000 mg/m ³	3.000 mg/m ³	1.000 mg/m ³	3.000 mg/m ³
WATER	7732-18-5	23.0%-27.0%	NA	NA	NA	NA

This product contains no components reportable under SARA 313—40 CFR 372.65. However, as according to the Drinking Water and Toxic Enforcement Act of 1986, this product does contain the following substances known to cause reproductive harm; arsenic, lead and cadmium.

III. PHYSICAL DATA

Boiling Range: 232 °F @ 760 mmHg
Vapor Density: NA
Vapor Pressure: 104 °F @ 15.000 mmHg
Specific Gravity: 1.577—1.583 @ 68 °F
Solubility in Water: Miscible
Evaporation Rate: Slower than ethyl ether
% Volatile by Volume: 100%
pH of 1% Solution: <2.0 @ 10 g. solution
Appearance and Odor: Syrupy liquid, colorless to pale straw with no odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: NA
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: Water fog.

Special Firefighting Procedures: Water may be used to extinguish fire by cooling, and diluting liquid with water. Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn out gear and chemical resistant personal protective equipment. Refer to section VIII of this MSD Sheet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively.

V. HEALTH AND SAFETY

Effects of Overexposure:

Eyes: Can cause permanent eye injury. Symptoms include stinging, tearing, redness and swelling of eyes. Can injure the cornea and cause blindness.

Skin: Can cause permanent skin damage. Symptoms may include redness, burning and swelling of skin, burns and other skin damage.

Inhalation: Breathing of vapor or mist is possible. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat and respiratory tract.

Ingestion: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting and diarrhea) abdominal pain, and vomiting of blood. May cause burns and destroy tissue in the mouth, throat and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

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Material Safety Data Sheet

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Medical Conditions Generally Aggravated by Exposure: Preexisting disorders of the skin and lungs.

Emergency and First Aid Procedures:

Eyes: If material gets into the eyes, immediately flush eyes gently with water for at least fifteen minutes while holding eye lids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

Skin: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Ingestion: Seek immediate medical attention. DO NOT INDUCE VOMITING. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended.

VI. REACTIVITY DATA

Conditions to Avoid: NA

Hazardous Decomposition

Products: May form phosphorous compounds.

Hazardous Polymerization: Will not occur.

Incompatibility: Avoid contact with: Alkali metals and strong alkalies. Acid reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

Stability: Stable.

VII. SPILL OR LEAK PROCEDURES

Cover the contaminated surface with sodium bicarbonate or a soda ash/flaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash site with soda ash solution. Proper mixing procedures are essential. Trained personnel should conduct this procedure. Untrained personnel should be removed from the spill area. Persons not wearing protective equipment should be excluded from area of spill until clean up is completed. Stop spill at source. Dyke to prevent spreading. Pump to salvage tank.

Waste Disposal Methods: Collect and add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water in accordance with applicable regulations. For assistance with your waste management needs, including disposal, recycling and waste stream reduction, contact Ashland Distribution Company.

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VIII. SAFE HANDLING AND USE INFORMATION

Respiratory Protection: If workplace exposure limit of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Protective Clothing: Wear resistant gloves. To prevent skin contact, wear impervious clothing and boots. Chemical splash goggles and face shield in compliance with OSHA regulations are advised.

IX. SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid) all hazard precautions given in the data sheet must be observed. Addition to water releases heat which can result in violent boiling and spattering. Always add slowly and in small amounts. Never use hot water. Never add water to acids. Always add acids to water.

SAFETY STATEMENT

The information presented is believed to be accurate, but is not warranted to be whether originating from manufacturer or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and relative to their individual circumstance.