

**SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER:
HIGH ACID CLEANER FP

PRODUCT USE: Low foam acid cleaner for food processing

MANUFACTURER'S NAME & ADDRESS
Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, OH 43537 USA

MEDICAL EMERGENCY TELEPHONE
888/314-6171 (24 Hours)
PRODUCT INFORMATION: 800/537-8990

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m ³	STEL mg/m ³	Ceiling mg/m ³		
7664-38-2	30-40	Phosphoric acid	1	3 (NIOSH)	---	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT > 100°C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.26	PERCENT SOLID BY WEIGHT 35-45
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH < 1	APPEARANCE AND ODOUR Pale red liquid, mild odor	PHYSICAL STATE GAS <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/>
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100°C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not available
EXTINGUISHING MEDIA Carbon dioxide, dry chemical, water	CONDITIONS OF FLAMMABILITY Not applicable	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable

SPECIAL FIRE FIGHTING PROCEDURES

Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Combustion products are toxic. Produces hydrogen on contact with most metals.

SECTION V: REACTIVITY DATA

STABILITY: STABLE X

CONDITIONS OF INSTABILITY

Not established

CONDITIONS OF REACTIVITY

Not established

INCOMPATIBILITY (MATERIALS TO AVOID) Concentrated alkali, hypochlorites (chlorine bleach), aluminum and other reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorus, carbon monoxide, carbon dioxide

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion, Inhalation, Skin Absorption

EXPOSURE LIMIT Not established for mixture.

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT Causes severe eye damage and chemical burns. Eye contact may permanent damage.

SKIN CONTACT Causes severe skin damage with symptoms such as chemical burns, pain, redness and tissue destruction.

INGESTION Harmful if swallowed. Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. Aspiration of product into the lungs may occur during ingestion or vomiting, resulting in lung injury.

INHALATION Breathing product vapor or mist may cause irritation or damage of the respiratory tract with symptoms of nasal discomfort and discharge with chest pain and coughing.

EFFECTS OF CHRONIC EXPOSURE

None known

IRRITANCY OF PRODUCT

Corrosive to eyes and skin

SENSITIZATION TO PRODUCT

Not available

CARCINOGENICITY

No

REPRODUCTIVE TOXICITY

Not available

TERATOGENICITY

Not available

MUTAGENICITY

Not available

SYNERGISTIC PRODUCTS

Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS

Wear rubber or other impervious gloves and splash goggles. If indicated by conditions of use, impervious apron, face shield and other protective equipment should be considered in order to minimize contact with this product. Eyewash stations and washing facilities should be readily accessible. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If exposure limits (see Section II) can not be maintained by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered.

LEAK AND SPILL PROCEDURE: Dike and contain spills with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Keep spill out of storm sewers and waterways.

WASTE DISPOSAL METHOD: Assure conformance with regulations.

HANDLING PROCEDURES: Do not get in eyes, on skin or clothing. Do not breathe product vapor or mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling. This product contains phosphoric acid. Do not mix with hypochlorite-type bleach or other household chemicals as hazardous vapors or gases may be produced.

STORAGE REQUIREMENTS: Keep container closed when not in use. Keep from freezing. Do not store above 49°C (120°F). Do not mix with other chemicals. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: Corrosive liquids, n.o.s., 8, UN 1760, III, (contains phosphoric acid)

SECTION VIII: FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN: Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention. Wash contaminated clothing before reuse. Destroy contaminated shoes.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation, move person to fresh air. Get medical attention immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION IX: PREPARATION INFORMATION

HIGH ACID CLEANER FP

DATE OF PREPARATION: March 20, 2014

SUPERCEDES: March 7, 2011

PREPARED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.

TELEPHONE NUMBER 800/537-8990