

**MSDS  
MATERIAL SAFETY DATA  
SHEET**

**MChem Inc.  
301 Montebello Oaks Dr.  
Pas Robles, CA 93446**

24-HOUR EMERGENCY TRANSPORTATION RESPONSE  
NUMBER 1-805-400-3572

PRODUCT NAME: MChem M-Clear  
PRODUCT NUMBER: 6503  
CHEMICAL FAMILY:

NFPA 704 DESIGNATION

HEALTH 2  
FIRE 0  
REACTIVITY 1  
SPECIAL COR

**SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES**

CAS # 7664-38-2  
CHEMICAL NAME Phosphoric Acid  
% By Wt 10-15%  
OSHA/PEL N/A  
ACGIH/TLV 1 mg/m3  
OTHER 3 mg/m3 (STEL)

SARA TPQ: 4,000 lbs (as-is material)  
SARA III: Acute Health Hazard

**SECTION II-PHYSICAL DATA**

Boiling Point: IBP 214° Fahrenheit  
Vapor Density (Air=1): N/A  
% Volatiles by Volume: N/A  
Specific Gravity: 1.1-1.2  
Vapor Pressure: N/A  
Solubility in Water (% by Wt.): Complete  
Evaporation Rate: N/A  
pH of Concentrate: <2

Appearance and Odor: Clear liquid with no odor.

**SECTION III-FIRE AND EXPLOSION DATA**

Flash Point: None  
Hazardous Polymerization: Will Occur  Will Not Occur   
Flammable Limits: N/A  
Lower Explosive Limits: N/A  
Upper Explosive Limits: N/A  
Extinguishing Media: Water spray, carbon dioxide, foam or dry chemical.  
Special Firefighting Procedures: None.  
Unusual Fire and Explosion Hazards: Contact with some metals (magnesium, aluminum, galvanized zinc) can generate hydrogen gas.  
Conditions to Avoid: Reducing/Oxidizing agents and chlorine or bleach products and strong bases.  
Avoid breathing fumes from fire-exposed material.

Updated 12/29/2014

**SECTION IV-HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: (Refer to Section II)  
EFFECTS OF OVEREXPOSURE: Moderately corrosive substance. Routes of exposure are eyes, skin, ingestion, and breathing heated vapors. Dust or mist can cause irritant dermatitis.  
EMERGENCY AND FIRST AID PROCEDURE:  
**SKIN:** Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.  
**EYES:** Flush eyes with copious amounts of water, making sure eye lids are kept open. Seek medical attention if irritation persists. Seek medical attention immediately.  
**INGESTION:** Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. DO NOT INDUCE VOMITING. Contact a physician or poison control center.  
**INHALATION:** Not a respiratory irritant. However, heated vapors containing this product may be irritating. Remove from area to fresh air.

**SECTION V-REACTIVITY DATA**

CONDITIONS CONTRIBUTING TO INSTABILITY: Alkali materials, heat, contact with iron or aluminum or copper metals. Avoid contact with organic contaminants.  
INCOMPATIBILITY: Avoid strong oxidizing agents, chlorine or bleach, heat, strong alkalis.  
HAZARDOUS DECOMPOSITION: Oxides of hydrogen, and phosphorous.

**SECTION VI-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be flushed, after neutralization with soda ash, to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal, or collected with an industrial vacuum truck.  
WASTE DISPOSAL METHOD: Dispose with in accordance with all federal, state, and local regulations. Do not release the concentrated or diluted product directly into storm drains, or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use.

**SECTION VII-PROTECTIVE EQUIPMENT**

VENTILATION: Forced air, local exhaust, or open air is adequate.  
PERSONAL PROTECTIVE EQUIPMENT: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product.  
WORK/HYGENIC PRACTICES: Handle the concentrated product with extreme care.

**SECTION VIII-REGULATORY INFORMATION**

See Section I.  
Corrosive to eyes and skin.

**SECTION IX-STORAGE AND HANDLING**

Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well ventilated area away from heat or open flame. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**SECTION X-GENERAL PRECAUTIONS**

DO NOT REUSE CONTAINER. Wash thoroughly after handling. For industrial or commercial use only. Keep away from children and animals.