

Safety Data Sheet Revision Date: 9/7/2019

SECTION I: Identification of the substance/mixture and of the company/undertaking

Product Name:	Mar-Tek 70
Product Code:	MT070
Product Use:	Rust corrosion and mineral scale remover
Manufacturer:	Mar-Tek Industries
Address:	301 Industrial Drive, Forney Texas 75126
Phone:	(214) 350-9401
Emergency Telephone No.:	ChemTel Inc. 1-800 255-3924

SECTION 2: Hazards Identification



GHS Label elements, including hazards and precautionary statements:



DANGER!



Hazard statements:

- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage
- H401 Toxic to aquatic life

Precautionary statements:

Prevention:

- P234 Keep only in original packaging.
- P260 Do not breathe dusts or mists
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face

protection.

P273 Avoid release to the environment.

Response:

P390 Absorb spillage to prevent material-damage.

P30I+330+33I IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+36I+354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse skin with water for several minutes.

P363 Wash contaminated clothing before reuse.

P304+340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P₃₁₆ Get emergency medical help immediately.

P321 Specific treatment (Refer SDS section 4)

P305+P35I+P338 IF IN EYES: Immediately rinse with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P317 Get medical help.

Storage:

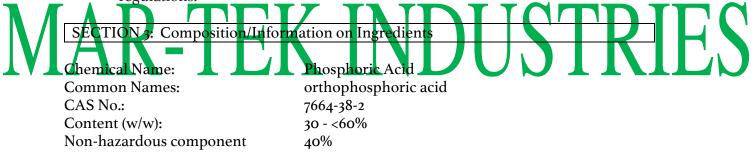
P406 Store in a corrosion resistant container with a resistant inner lining.

P405 Store locked up.

Disposal

P501 Dispose in accordance to local/regional/ national/international

regulations.



SECTION 4: First aid measure

If in doubt, seek medical advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical help.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

If ingested: Rinse mouth. Do NOT induce vomiting.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Not combustible, however if material involved in a fire use: Water spray, normal foam, dry agent (carbon dioxide, dry chemical powder) Special protective equipment and precautions for fire fighters: Decomposes on heating emitting toxic fumes, including those of oxides of phosphorus. Fire fighters should wear selfcontained breathing apparatus and suitable protective clothing if risk of exposure to product decomposition. Keep containers cool with water spray.

Specific hazards arising from the chemical: None combustible material.

SECTION 6: Accidental release measures

Personal precaution, protective equipment and emergency procedures: See section 8 for recommendation on the use of personal protective equipment.

Environmental precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

Methods and materials for containment and cleaning up: Neutralize spill with sodium bicarbonate or lime. Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and clean up material in accordance with regulation.

SECTION 7: Handling and storage

Precaution for safe handling: Refer section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash hands/skin thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols. **Conditions for safe storage, including any incompatibilities:** Store in cool, dry well-ventilated area. Keep away from incompatible materials. (Refer section 10 for

____incompatibilities).

 SECTION 8: Exposure controls/personal protection

 Engineering controls: Provide local exhaust or general difution ventilation to keep airborne

levels below the permissible exposure limit. Occupational exposure controls: Ventilation and appropriate grounding of containers.

Component	Exposure Limit	Basis	Entity
Phosphoric	I mg/m3	TLV	ACGIH
Acid			
	3 mg/m3	STEL	ACGIH
	I mg/m3	PEL	OSHA
	I mg/m3	REL	NIOSH
	3 mg/m3	STEL	NIOSH
	1000 mg/m3	IDLH	OSHA

Personal protective equipment

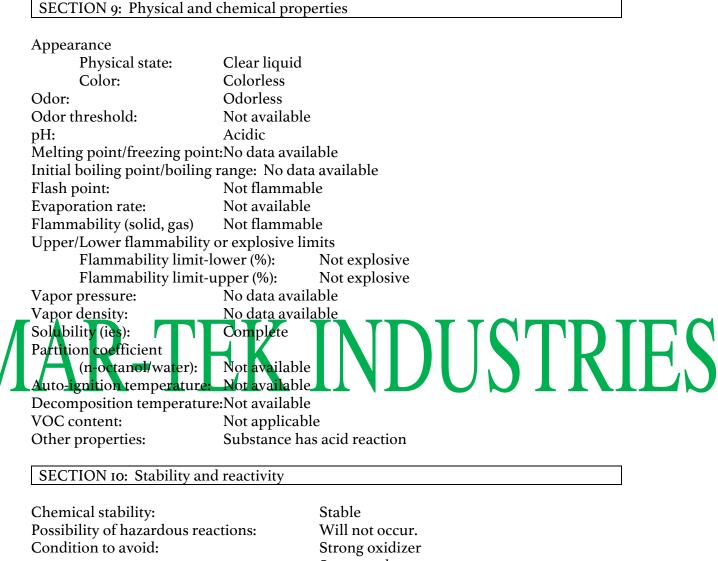
Eyes: Wear appropriate safety glasses or goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

Inhalation: Provide local exhaust, preferably mechanical. If exposure levels excessive, use an approved respirator.

Skin: Wear nitrile gloves and complete body suit.

Other protective clothing or equipment: Neoprene aprons, overshoes, over-sleeves or other impervious clothing as necessary to minimize exposure.

Work hygienic practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands/skin after handling this material before eating or smoking. **Other recommendations:** Provide eye wash stations, quick drench showers and washing facilities accessible to areas of use and handling.



Hazardous decomposition:

Strong oxidizer Strong reducers Strong bases Fluorine, and Metals. Phosphorus oxide

SECTION II: Toxicological information

Information on likely route and sign and symptoms of exposure Ingestion: Swallowing can result in nausea, vomiting, abdominal pain and chemical burns to the gastrointestinal tract.

Inhalation: Breathing mist

	_	ct with skin result revere irritation. Corrosive to skin- may cause skin
	burns.	
		e irritant. Corrosive to eye; contact can cause corneal burns.
	Chronic toxicity	Damage to organs
	Teratogenicity	
	Mutagenicity	
	Embryotoxicity	Not available
	Serious corrosion/irr	itation: Severe irritant (Rabbit)
	Serious eye damage/	irritation: Severe irritant (Rabbit)
	Acute toxicity	
	Skin:	LD50-Rabbit-2,740mg/kg
	Eyes:	Not available
	Respiratory:	Not available
	÷ ,	LD50-Rat-1,530 mg/kg
	Potential health effect	
	Eyes	Causes eye irritation
	Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
	Skin	May be harmful if absorbed through skin. Causes skin irritation
	Ingestion	May be harmful if swallowed
	Carcinogenicity	
	<i>e</i> ,	mponent of this product present at levels greater than or equal to 0.1% is
		e, possible or confirmed human carcinogen by IARCH.
		omponent of this product present at levels greater than or equal to 0.1% is
1		en or potential carcinogen by ACGIH.
		conent of this product present at levels greater than or equal to 0.1% is
		or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity: Avoid contaminating waterways.

2	0	2
Aquatic vertebrate		No data available
Aquatic invertebra	ite	No data available
Terrestrial		No data available
Persistence and de	gradability	No data available
Bio-accumulative p	ootential	No data available
Mobility in soil	-	No data available
PBT and vPVB Ass	essment	No data available
Other adverse effe	cts	No data available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of in accordance with federal, state, and local regulations. Contaminated packaging: Empty containers should be recycled or disposed of through and approved waste management facility.

SECTION 14: Transportation information

US Department of Transpor	rtation
Shipping Name:	Phosphoric acid, Solution
Hazard Class:	8
UN Number:	UNI805
Packaging Group:	PGIII
Label statement:	Corrosive
Marine pollutant:	NO

SECTION 15: Regulatory information

TSCA inventory status: All ingredients are listed on the TSCA inventory DSCL (EEC): All ingredients are listed on the DSCL inventory California proposition 65 Not listed Massachusetts Right to Know Act Not listed New Jersey Right to Know Act Listed Pennsylvania Right to Know Act Listed SARA 302 Not listed Not listed SARA 304 Phosphoric acid SARA 311 **Phosphoric Acid SARA 312** Not listed **SARA 313** Class E, corrosive liquid. WHIMIS ECTION 16: Other informatio

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NFPA Ratings

HMIS rating

Health	3	Health	3
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
		Personal	Η

Abbreviation and acronyms

Abbieviation and actonyms		
ACGIH	American Conference of Governmental Industrial Hygienists	
CAS	Chemical Abstract Service	
CEIL	Ceiling	
DOT	Department of Transportation	
HMIS	Hazardous Materials Identification System	
IDLH	Immediate Dangerous to Life or Health	
NA	Not Applicable	
NE	Not Established	
NIOSH	National Institute of Occupational Safety and Health	
NFPA	National Fire Protection Association	
OSHA	Occupational Safety and Health Administration	
PEL	Permissible Exposure Limit	
REL	Recommended Exposure Limit	

SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: Mar-Tek Industries provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

-----END OF SDS-----

MAR-TEK INDUSTRIES