

Issue Date 31-Dec-2008

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Metal Treat 5

### Other means of identification

**SDS #** A100006/320723-03

**UN/ID No** UN1805/UN 1789

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaning agent.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Alklean Industries, Inc.  
2111 Catalina  
Pasadena, TX 77503  
281-479-5966

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Signal word

**Danger**

### **Hazard statements**

Harmful if inhaled  
Causes severe skin burns and eye damage



**Appearance** Clear liquid

**Physical state** Liquid

**Odor** Slightly irritating

**Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other Information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Phosphoric acid	7664-38-2	Proprietary	*
Muratic acid 31% 20 Be'	7647-01-0	Proprietary	*

### 4. FIRST AID MEASURES

**First aid measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician immediately.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas. May cause severe irritation with redness, pain, and blurred vision. May cause irritation to the mucous membranes and upper respiratory tract. Ingestion may cause nausea, vomiting, dizziness, and headache.
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**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific hazards arising from the chemical**

Non-combustible.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required.

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. May require excavation of contaminated soil. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Dike and contain spill.

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible materials** sulfides. sulfites. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
Muratic acid 31% 7647-01-0	TWA: 7 mg/m <sup>3</sup>	TWA: 7 mg/m <sup>3</sup> 29 CFR 1910.1000	TWA: 2 ppm

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear approved safety goggles where a splash hazard exists.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Slightly irritating
<b>Appearance</b>	Reddish liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Reddish		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	2	
<b>Melting point/freezing point</b>	Not determined	
<b>Boiling point/boiling range</b>	100 °C / 212 °F	
<b>Flash point</b>	Non-flammable	
<b>Evaporation rate</b>	0.1	(water = 1)
<b>Flammability (solid, gas)</b>	n/a-liquid	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limits</b>	Not applicable	
<b>Lower flammability limit</b>	Not applicable	
<b>Vapor pressure</b>	Not determined	
<b>Vapor density</b>	1.2	
<b>Specific Gravity</b>	1.4	
<b>Water solubility</b>	Completely soluble in water	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic viscosity</b>	Not determined	
<b>Explosive properties</b>	Not determined	
<b>Oxidizing properties</b>	Not determined	

**Other Information****10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.**Conditions to avoid**

Contact with incompatible materials.

**Incompatible materials**

sulfides. sulfites. Strong bases.

**Hazardous Decomposition Products**

None known.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye contact</b>	Causes eye damage.
<b>Skin Contact</b>	Causes skin burns.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h
Muratic acid 7647-01-0	= 1610 mg/kg ( Rat )	= 1479 mg/kg ( Rabbit )	> 1100 mg/m <sup>3</sup> ( Rat ) 1 h

**Information on physical, chemical and toxicological effects**

**Symptoms** May cause irritation with redness, pain, and blurred vision. Contact may cause irritation and redness. May cause irritation to the mucous membranes and upper respiratory tract. Ingestion may cause nausea, vomiting, dizziness, and headache.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	5099 mg/kg
<b>ATEmix (dermal)</b>	9099 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic organisms Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phosphoric acid 7664-38-2		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50
Muratic acid 31% 7647-01-0		96 h 282 mg/L LC50		4.6: 12 h mg/L EC50

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Under the CERCLA/RCRA regulations in effect July 3, 1985, this material is regulated as a hazardous waste or material. Therefore, it must be disposed of in a "permitted" hazardous waste facility in compliance with EPA and/or other applicable local, state, and federal regulations and should be handled in a manner acceptable to good waste management practice.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Phosphoric acid 7664-38-2	Corrosive
Muratic acid 31% 7647-01-0	Corrosive

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID No** UN1805/UN 1789  
**Proper shipping name** Phosphoric/Muratic acid solution  
**Hazard Class** 8  
**Packing Group** III  
**Reportable Quantity (RQ)** Phosphoric/Muratic acid  
 5000 lbs

**IATA**

**UN/ID No** UN1805/UN 1789  
**Proper shipping name** Phosphoric/Muratic acid solution  
**Hazard Class** 8  
**Packing Group** III

**IMDG**

**UN/ID No** UN1805/UN 1789

<b>Proper shipping name</b>	Phosphoric/Muratic acid solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Listed

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### SARA 311/312 Hazard Categories

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid 7664-38-2	5000 lb			X
Muratic acid 7647-01-0	5000 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)	
Phosphoric acid 7664-38-2	5000 lb		RQ 5000 lb final RQ	
Muratic acid 7647-01-0	5000 lb		RQ 5000 lb final RQ	

### US State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid 7664-38-2	X	X	X
Muratic acid 7647-01-0	X	X	X

#### U.S. EPA Label Information

## 16. OTHER INFORMATION

#### NFPA

#### Health hazards

Not determined

#### Flammability

Not determined

#### Instability

Not determined

#### Special Hazards

Not determined

#### HMIS

#### Health hazards

Not determined

#### Flammability

Not determined

#### Physical hazards

Not determined

#### Personal protection

Not determined

**Issue Date**

31-Dec-2008

**Revision Date**

25-Mar-2015

**Revision Note**

new format

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

