

# SAFETY DATA SHEET

Date Prepared : 5/22/2015  
SDS No : Great\_SDS

Great

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Great  
**GENERAL USE:** Mild Acid Detergent  
**PRODUCT CODE:** F10-25040

### MANUFACTURER

Ultra-Chem Inc.  
8043 Flint  
Lenexa, KS 66214

**Emergency Phone:** 913-492-2929

**Customer Service:** 800-451-0726

**Transportation:** 800-535-5053

### 24 HR. EMERGENCY TELEPHONE NUMBERS

Infotrac 800-535-5053

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Corrosion / Irritation, Category 1  
Serious Eye Damage / Eye Irritation, Category 1

### GHS LABEL

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)



Corrosion

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

### PRECAUTIONARY STATEMENTS

#### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P314: Get medical advice/attention if you feel unwell.

#### Storage:

P405: Store locked up.

#### Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name   | Wt.% | CAS       |
|-----------------|------|-----------|
| Phosphoric Acid | < 25 | 7664-38-2 |

#### 4. FIRST AID MEASURES

**EYES:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.

**SKIN:** Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. Call a POISON CENTER or doctor / physician. Remove and wash contaminated clothing before re-use.

**INGESTION:** Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center.

**INHALATION:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center if you feel unwell.

#### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

**EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**OTHER CONSIDERATIONS:** In a fire or if heated, a pressure increase will occur and the container may burst.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** phosphorus oxides

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if not water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**LARGE SPILL:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

#### 7. HANDLING AND STORAGE

**HANDLING:** Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |      |                 |                   |           |                   |              |                   |
|---|------|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
|   |      | EXPOSURE LIMITS |                   |           |                   |              |                   |
|   |      | OSHA PEL        |                   | ACGIH TLV |                   | Supplier OEL |                   |
| Chemical Name                               |      | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| Phosphoric Acid                             | TWA  |                 | 1                 |           | 1                 | NL           | NL                |
|   | STEL |                 |                   |           | 3                 | NL           | NL                |

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** If splashes are likely to occur, wear: Tightly fitting safety goggles and face shield

**SKIN:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**RESPIRATORY:** 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.

**PROTECTIVE CLOTHING:** Wear chemical protective clothing e.g. gloves, aprons, boots. As conditions required.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

| Chemical Name   | Flash Point (°C) | Boiling Point (°C) | Freezing Point (°C) | Specific Gravity |
|-----------------|------------------|--------------------|---------------------|------------------|
| Phosphoric Acid | 11               | 22                 | 33                  | 44               |

**PHYSICAL STATE:** Liquid

**ODOR:** Fragranced

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Colored Liquid

**pH:** < 1

**FLASH POINT AND METHOD:** NA = Not Applicable

**FLAMMABLE LIMITS:** 0 to 0

**Notes:** No data available

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

**BOILING POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** Completely soluble

**EVAPORATION RATE:** Similar to water

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** No data available

**POSSIBILITY OF HAZARDOUS REACTIONS:** No specific reactivity test data is available. Under normal conditions of storage

and use, hazardous reactions are not expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Eye Damage/Irritation

**SKIN EFFECTS:** Skin Damage/Irritation

**CHRONIC:** No data available

**SUBCHRONIC:** No data available

### CARCINOGENICITY

| Chemical Name   | General Toxicity |
|-----------------|------------------|
| Phosphoric Acid | None known.      |

**REPEATED DOSE EFFECTS:** No data available

**IRRITATION:** No data available

**CORROSIVITY:** No data available

**SENSITIZATION:** No data available

**NEUROTOXICITY:** No data available

**GENETIC EFFECTS:** No data available

**REPRODUCTIVE EFFECTS:** No data available

**TARGET ORGANS:** No data available

**TERATOGENIC EFFECTS:** No data available

**MUTAGENICITY:** No data available

**SYNERGISTIC MATERIALS:** No data available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** This material has not been tested for acute environmental effects.

**BIOACCUMULATION/ACCUMULATION:** No data available

**CHEMICAL FATE INFORMATION:** No data available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** This material, as supplied, is not a hazardous waste according to federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixing with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid N.O.S.

**TECHNICAL NAME:** (Contains; Phosphoric Acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1760

**PACKING GROUP:** II

**LABEL:** Corrosive

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

| Chemical Name   | Wt.% | CERCLA RQ |
|-----------------|------|-----------|
| Phosphoric Acid | < 25 | 5,000     |

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

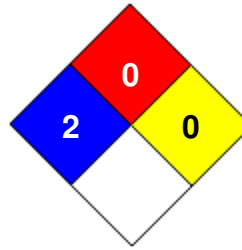
| Chemical Name   | CAS       |
|-----------------|-----------|
| Phosphoric Acid | 7664-38-2 |

**16. OTHER INFORMATION**

PREPARED BY: KH Date Prepared: 5/22/2015

**HMIS RATING**

|                            |   |          |
|----------------------------|---|----------|
| <b>HEALTH</b>              | * | <b>2</b> |
| <b>FLAMMABILITY</b>        |   | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     |   | <b>0</b> |
| <b>PERSONAL PROTECTION</b> |   | <b>C</b> |

**NFPA CODES**

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