

# Material Safety Data Sheet

## ODORLESS ACID

### **Section 1 Product Identification**

#### **Page 1**

Product Name: **Odorless Acid**

Formula type: acid cleaner

#### **Manufacturer's Name:**

Commercial Pool & Spa Supplies Inc.

1167 East Hwy 36

Maplewood, MN 55109

Date of Preparation: 2-10-2003

**Emergency: 800-535-5053**

Information: 651-766-6666

### **Section 2 Hazardous Ingredients**

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>	<u>Threshold Limit</u>	<u>Permissible</u>
<u>Exposure Limit (PEL)</u>			<u>Value (TLV)</u>	
Urea hydrochloride	506-89-8	20-40	not established	not established
Balance of formulation is not hazardous				

### **Section 3 Physical Data**

Form: Liquid

Color: Clear

Odor: Neutral

Specific Gravity = 1.20 - 1.30 at 60°F

Boiling Point °F: not established

Evaporation Rate: similar to water

pH as is: 0.5 - 1.5

Solubility in Water: Fully miscible

Vapor Density (Air = 1): Not determined

% VOC: <0.1

Vapor pressure: not determined

### **Section 4 Health Hazards**

Carcinogenicity: The components of this material are not listed by IARC, NTP, OSHA or ACGIH as known or suspected carcinogens.

Probable Routes of Entry: Eyes or skin

### **Signs and Symptoms of Overexposure:**

Eyes: Direct contact can cause severe irritation or injury. Effects may range from mild to irreversible damage and blindness depending upon length of exposure, solution concentration and first aid measures.

Skin: This product contains materials that cause severe skin irritation, defatting, and dermatitis. Irritation effects can last for hours or days.

Inhalation: Overexposure by inhalation of misted product may lead to minor respiratory irritation that can last for hours or days.

Ingestion: Ingestion is not expected to be a primary route of exposure. Do not ingest. Harmful if swallowed. Irritating to mouth, throat, and stomach.  
Existing health conditions affected by exposure: Skin diseases

## **Section 5 First Aid**

### **Emergency First Aid Procedures –**

- Eyes: Check for and remove contact lenses. Flush immediately with copious amounts of water for 20 minutes while holding eyelids apart to ensure complete irritation of eye and eyelid tissues. Take exposed individual immediately to a health care professional, preferably an ophthalmologist, for emergency first aid and further evaluation.
- Skin: Remove contaminated clothing. Immediately wash exposed area with copious amounts of water. Repeat washing. Seek immediate medical attention. Wash contaminated clothing before reuse.
- Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing or is cyanotic, seek a health care professional immediately. Administer CPR if necessary.
- Ingestion: Drink 1-2 large glasses of milk or water. Obtain immediate medical aid or call poison control. Do not induce vomiting unless directed by a physician. During vomiting there is a danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate medical attention or call 911. If unconscious, do not give anything to drink.

## **Section 6 Fire and Explosion Data**

Flash Point (Method) F: not flammable

Unusual Fire and Explosion Hazards: Pressure may build up in closed containers when heated. Keep containers cool with water spray. Material and container can burn in a fire.

Extinguishing Agents: Use media appropriate for the cause of the fire and the surroundings.

Fire fighting methods: Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full facemask and full protective equipment.

## **Section 7 Reactivity and Stability**

Incompatibility: Avoid contact with other acids, bases and oxidizing materials. Mixing with base/caustic materials will generate heat and neutralize acids.

Hazardous Decomposition Products: Chlorine gas can be liberated on contact with oxidizers.

Hazardous Polymerization: Will not occur.

Stability: Stable at room temperature (68F) when stored and used under proper conditions.

## **Section 8 Regulatory**

Urea hydrochloride is not DOT regulated.

## **Section 9 HMIS Hazard Rating**

0 = Minimal	1 = Slight	2 = Moderate	3 = Serious	4 = Severe
Health: 3	Reactivity: 0	Fire: 0	Personal protection: B (gloves & glasses)	

## **Section 10 Personal Protection Information**

- Ventilation Type Required: Local exhaust or other engineering controls to minimize exposures.
- Eye Protection: Eye protection must be worn. Wear safety glasses with side shields and face shield or vented/splash proof goggles.
- Protective Gloves: Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.
- Respiratory Protection: None required if airborne concentrations are maintained below threshold limits. Where misting and vapors may occur, wear an MSHA/NIOSH approved half mask form dust/mist air purifying respirator or respirator for organic vapors.
- Other Equipment: Eyewash stations and showers should be available in areas where this material is used and stored.

## **Section 11 Spill or Leak Information**

Procedures for Cleanup: Wear protective gear. Small spills: Mop thoroughly and rinse with water. Large Spills: Block potential routes to water systems (sewers, streams, etc.). If possible, dilute acid concentration. Contain spill with inert absorbent and transfer to disposal containers. Wash down affected areas with a mildly alkaline detergent and rinse with clear water. Call local Emergency Response agency to report spill.

Waste Disposal: Contact the proper county, state or federal authorities to determine if RCRA regulated.

## **Section 12 Special Precautions**

Store out of direct sunlight and away from heat sources. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal. Use only in well ventilated area. Do not breathe vapors. Wash hands thoroughly after handling.

Date issued: 5-20-2003

Supersedes:

Reason for update:

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**ABBREVIATIONS:** NA = NOT APPLICABLE      NDA = NO DATA AVAILABLE  
> = GREATER THAN   <=LESS THAN      ND= NOT DETERMINED

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