



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

Material name	CATCH-UP SHOWER ROOM CLEANER
Product number	201027
Revision date	07-May-2007
Company information	Brulin & Company, Inc. P.O. Box 270 Indianapolis, IN 46206 US www.Brulin.com
Emergency	CHEMTREC 1-800-424-9300
General information	Phone: 317-923-3211 Fax: 317-925-4596

### 2. Hazards Identification

Emergency overview	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Causes severe skin and eye burns. Prolonged exposure may cause chronic effects.
Potential short term health effects	
Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Contact may irritate or burn skin.
Inhalation	Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion	Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.
Target organs	Eyes. Respiratory system. Skin.
Chronic effects	May cause delayed lung damage.
Signs and symptoms	Discomfort in the chest. Shortness of breath. Cough. Severe eye irritation. Skin irritation.

### 3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Phosphoric acid	7664-38-2	< 40

### 4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
Skin contact	Remove and isolate contaminated clothing and shoes. Wash with soap and water. Get medical attention immediately.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Ingestion	If swallowed, do NOT induce vomiting. Have victim rinse mouth thoroughly with water. Immediately give large quantities of water to drink. If ingestion of a large amount does occur, seek medical attention.
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 5. Fire Fighting Measures

Flammable properties	None known.
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## Extinguishing media

**Suitable extinguishing media** Small Fires: Dry chemical, CO2, water spray or regular foam.  
Large Fires: Water spray, fog or regular foam.

## 6. Accidental Release Measures

**Personal precautions** Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Methods for containment** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up** Never return spills in original containers for re-use.

Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. Should not be released into the environment.

## 7. Handling and Storage

**Handling** Avoid contact with skin and eyes.

**Storage** Use care in handling/storage. Keep out of the reach of children. Keep at temperatures between 4 and 49°C.

## 8. Exposure Controls / Personal Protection

### Exposure guidelines

#### ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)

Phosphoric acid 7664-38-2 3 Mg/m3 STEL

#### ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Phosphoric acid 7664-38-2 1 Mg/m3 TWA

#### ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Phosphoric acid 7664-38-2 eye, skin and upper respiratory tract irritation

#### OSHA - Final PELs - Time Weighted Averages (TWAs)

Phosphoric acid 7664-38-2 1 Mg/m3 TWA

**Engineering controls** Good general ventilation should be sufficient to control airborne levels.

### Personal protective equipment

**Eye / face protection** Avoid contact with the skin and the eyes. Wear as appropriate: safety glasses with side-shields or goggles or face-shield

**Skin protection** PVC disposable gloves. Neoprene gloves. Impervious butyl rubber gloves.

**Respiratory protection** Under normal conditions, respirator is not normally required. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

**General hygiene considerations** Avoid contact with the skin and the eyes.

## 9. Physical & Chemical Properties

**Appearance** Not available

**Color** pink

**Form** Liquid.

**Odor** mild acidic

**Odor threshold** Not available

**pH** < 1

**Freezing point** Not available

**Boiling point** 218 °F

**Flash point** > 218 °F Pensky-Martens Closed Cup

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Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.2
Solubility (H2O)	100 %
VOC (Weight %)	0.0015 % w/w

## 10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Caustics. Strong oxidizing agents. Contact with most metals produces highly flammable hydrogen gas.
Hazardous decomposition products	Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). oxides of phosphorus
Possibility of hazardous reactions	Will not occur.

## 11. Toxicological Information

Acute effects	Acute LD50: 4309 mg/kg, Rat, Oral Acute LD50: 8530 mg/kg, Rat, Dermal Causes burns. Causes severe burns.
Local effects	Irritating to respiratory system.
Chronic effects	Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

## 12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
Environmental effects	Harmful to aquatic life.

## 13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]
Disposal instructions	Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D

#### Additional information:

Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

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## Department of Transportation (DOT) Requirements NON-BULK

### Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D

### Additional information:

Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

## IATA

### Basic shipping requirements:

Proper shipping name	Phosphoric acid, solid
Hazard class	8
UN number	UN1805
Packaging group	III

### Additional information:

Packaging exceptions	154
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## IATA



## IMDG

### Basic shipping requirements:

Proper shipping name	PHOSPHORIC ACID, SOLUTION
Hazard class	8
UN number	UN1805
Packaging group	III

### Additional information:

Packaging exceptions	154
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## IMDG



## 15. Regulatory Information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes
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### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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## Inventory status

### Country(s) or region

Australia

Canada

China

United States & Puerto Rico

### Inventory name

Australian Inventory of Chemical Substances (AICS)

Domestic Substances List (DSL)

Inventory of Existing Chemical Substances in China (CCS)

Toxic Substances Control Act (TSCA) Inventory

## International regulations

The product is classified and labelled in accordance with EC directives or respective national laws.

## State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

### HMIS rating

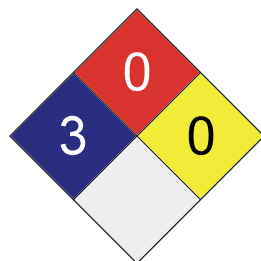
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Physical Hazard 0

Personal Protection B

### NFPA codes



### Prepared date

07-May-2007 09:25:39

### Superseded date

30-Apr-2007 15:02:56

### 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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.