



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>Sour/Soft</b>
<b>Other means of identification</b>	
<b>Product code</b>	CU-7240
<b>Recommended use</b>	Laundry softener and neutralizer.
<b>Recommended restrictions</b>	None. Use as directed
<b>Manufacturer information</b>	
<b>Company name</b>	<b>Chemical Universe, Inc.</b>
<b>Address</b>	1841 Vernon Street North Kansas City, MO 64116
<b>Telephone</b>	(816) 471-3602
<b>Fax</b>	(816) 474-3302
<b>Emergency phone number</b>	PERS 24-hour Emergency (800) 633-8253

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage	Category 1
	Skin corrosion	Category 1B
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute	Category 2
<b>OSHA defined hazards</b>	Not listed.	
<b>Label elements</b>		



<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement</b>	Causes severe skin burns and eye damage.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not breathe dusts or mists. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	<b>IF SWALLOWED:</b> Rinse mouth. Do NOT induce vomiting. <b>IF ON SKIN (or hair):</b> Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. <b>IF INHALED:</b> Remove person to fresh air and keep comfortable breathing. Immediately call a POISON CENTER/doctor/medical professional. Specific treatment (see Section 4 on the Safety Data Sheet). <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None.
<b>Supplemental information</b>	None.



# SAFETY DATA SHEET

## 3. Composition/information on ingredients

Mixture Component(s)		
Chemical Name	CAS number	% w/w
Methyl tallow diethylenetriamine condensate, polyethoxylated, methyl sulfate	68410-69-5	3-8
Phosphoric acid	7664-38-2	3-8
C8 - C10 ethoxylate phosphate	68130-47-2	1-3
Other components below reportable levels		81-93

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be in work area.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Dermatitis. Rash. May cause an allergic skin reaction.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
<b>Methods and materials for containment and cleaning up</b>	Caution – spillages may be slippery.  Large spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements, or confined areas.  Small spills: Wipe up with absorbent material (e.g., cloth, fiber wipes). Clean surface thoroughly with water to remove residual contamination.



# SAFETY DATA SHEET

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Do not release into the open environment (see section 12). Avoid discharge into surface drainage paths and other areas not consistent with package labeling.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Do not store in extreme temperature conditions.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Phosphoric acid	PEL	1 mg/m <sup>3</sup>

#### US ACGIH Threshold Limit Values

Components	Type	Value
Phosphoric acid	STEL	3 mg/m <sup>3</sup>

**Biological limit values** None established.

**Appropriate engineering controls** Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

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

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber.

##### Other

Wear long sleeve shirts or sleeved apron with full length pants.

##### Respiratory protection

Respiratory protection not required for prescribed use of this product

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

**Physical State** Liquid.

**Color** Pink

**Odor** Pleasant floral

**Odor threshold** Not available.

**pH** 1-2



# SAFETY DATA SHEET

<b>Melting/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	>212°F (100°C)
<b>Flash point</b>	>212°F (100°C)
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability Limits</b>	
<b>Upper</b>	Not available.
<b>Lower</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity (water=1)</b>	1.09
<b>Solubility in water</b>	Miscible.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Decomposes on heating.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	This product is stable and non-reactive under normal conditions of use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames can cause product to decompose.
<b>Incompatible materials</b>	Strong acids, strong bases, strong oxidizing agents.
<b>Hazardous decomposition products</b>	Aldehydes, ketones, organic acids, carbon dioxide, carbon monoxide.

## 11. Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Corrosive to mucous membranes, will damage tissue if there is prolonged contact.
<b>Inhalation</b>	Expected to be a low inhalation hazard.
<b>Skin contact</b>	Repeated and/or prolonged skin contact will cause burns.
<b>Eye contact</b>	Causes severe eye damage. May cause severe corneal injury.
<b>Symptoms related to the physical, chemical, and toxicological characteristics</b>	Dermatitis. Rash. May cause an allergic skin reaction.
<b>Acute toxicity</b>	Not classified

Product – Sour/Soft Laundry Softener (CAS mixture)		
Exposure Classification	Route and Species	LD <sub>50</sub>
Acute	Oral, rat	> 18,000 mg/kg estimated
Acute	Dermal, rat	>9,600 mg/kg (estimated)

\*Estimates for product may be based on additional component data not shown

**Skin corrosion/irritation**

Causes severe skin burns.



# SAFETY DATA SHEET

<b>Serious eye damage/ irritation</b>	Causes serious eye damage.
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not considered a carcinogen.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not Listed.
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity – single exposure</b>	Not classified.
<b>Specific target organ toxicity – repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not considered an aspiration hazard.

## 12. Ecological information

Ecotoxicity		
Product – Sour/Soft Laundry Softener (CAS mixture)		
Aquatic receptor	Species	Test Thresholds
Crustacea	Daphnia magna	EC <sub>50</sub> (48-hr): >5 mg/L (estimated)
Fish	Fathead Minnow	LC <sub>50</sub> (96-hr): >10 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

<b>Persistence and degradability</b>	Expect to be inherently biodegradable.
<b>Bio-accumulative potential</b>	No data available. The components of this product are very mobile in water medium and are not expected to accumulate in biological systems
<b>Mobility in soil</b>	Not available. Expected to exhibit moderate to high mobility in low-clay saturated soils
<b>Other adverse effects</b>	Very toxic to aquatic life and organisms. This product is classified as environmentally hazardous. Large or frequent spills can have a harmful or damaging effect on the environment.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Waste from residues/unused product</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (See: Disposal instructions). This product, as packaged, may warrant application of RCRA waste code D002 (corrosive) upon disposal. Refer to 40 CFR part 261 Subpart C.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### USDOT

<b>UN number</b>	UN1760
<b>UN proper shipping name</b>	Corrosive Liquids, n.o.s. (Contains: Phosphoric acid)
<b>Transport hazard class(es)</b>	
Class	8
Subsidiary risk	-



# SAFETY DATA SHEET

**Packaging group** III

**Marine pollutant** No

**Special precautions for user** Read safety instructions, SDS, and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not intended to be transported in bulk.

**DOT Label/Placard**



## 15. Regulatory information

### US federal regulations

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 304 Emergency release notification** Not listed.

### SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

**SARA 313 (TRI reporting)** Not listed.

### California Proposition 65 **California Safe Drinking Water and Toxic Enforcement Act of 1986**

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (3/2021)

## 16. Other information, including date of preparation or last revision.

**Issue date** 1/15/2015

**Revision date** 3/26/2021

**Version #** 3

**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 0

HEALTH 2

FLAMMABILITY 0

REACTIVITY 0

PERSONAL PROTECTION

**Acid**

**NFPA ratings** Health: 2



## SAFETY DATA SHEET

Flammability: 0  
Instability: 0



### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

### Revision information

General format update; refined composition tables, update HMIS and NFPA ratings; clarified text in all sections; addition of Prop 65 notice.