



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>Fiber Rinse</b>
<b>Other means of identification</b>	
<b>Product code</b>	CU-3300
<b>Recommended use</b>	Carpet neutralizer and cleaner.
<b>Recommended restrictions</b>	Professional use only. Use as directed
<b>Manufacturer information</b>	
<b>Company name</b>	<b>Chemical Universe, Inc.</b>
<b>Address</b>	1133 Saline St. North Kansas City, MO 64116
<b>Telephone</b>	(816) 471-3602
<b>Fax</b>	(816) 474-3302
<b>Emergency phone number</b>	PERS (800) 633-8253 24-hour Emergency (800) 633-8253

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Serious eye damage. Skin corrosion.	Category 1 Category 1B
<b>Environmental hazards</b>	Not classified	
<b>OSHA defined hazards</b>	None.	
<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>	Keep only in original container. Do not breathe dusts or mists. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	Absorb spillage to prevent material damage. <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 supplemental information on this label). <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 in corrosive resistant container with a resistant inner lining. 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.



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Supplemental information None.

## 3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Phosphoric acid	7664-38-2	2-5
C8-10 ethoxylate phosphate	68130-47-2	1-3
2-butoxyethanol	111-76-2	1-3
Other components below reportable levels		89-95

## 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 so. Immediately call a physician or transport to hospital.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Can cause serious eye damage. Can cause burning sensation in affected areas. Shortness of breath, respiratory tract irritation or damage. Pain, swelling excessive tearing and redness of the eye.
<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. Use with extreme caution.

## 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>	Do not use water jet as an extinguisher, as this will spread a liquid-sourced fire.
<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>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is fully miscible in water.



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Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly with water to remove residual contamination.

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

**Environmental precautions** Avoid discharge into surface waterways or other areas not consistent with package labeling.

## 7. Handling and storage

**Precautions for safe handling** Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value
2-butoxyethanol	PEL	50 ppm
Phosphoric acid	PEL	1 mg/m <sup>3</sup>

#### US ACGIH Threshold Limit Values

Components	Type	Value
2-butoxyethanol	STEL	20 ppm
Phosphoric acid	STEL	3 mg/m <sup>3</sup>

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
2-butoxyethanol	200 mg/g	Creatinine	Urine	End of shift.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

### 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



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<b>Other</b>	several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber. Wear appropriate chemical-resistant clothing. Use of an impervious apron and sleeve covers is recommended.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable NIOSH-approved respiratory protection equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Appearance</b>	
<b>Physical State</b>	Liquid
<b>Color</b>	Pink
<b>Odor</b>	Pleasant, floral
<b>Odor threshold</b>	Not available.
<b>pH</b>	1.5-2.5
<b>Melting/freezing point</b>	32°F (0°C) estimated.
<b>Initial boiling point and boiling range</b>	>212°F (>100°C) estimated.
<b>Flash point</b>	Not applicable.
<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>	1.04
<b>Solubility in water</b>	Soluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	>212°F (>100°C) estimated.
<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. Store in a cool dark place.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid storage in elevated temperatures (>120° F).
<b>Incompatible materials</b>	Strong caustics, strong oxidizers, sulfites.
<b>Hazardous decomposition products</b>	Phosphorous oxides may form when heated to decomposition. In case of fire see section 5.



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## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** Do not ingest, can irritate and/or burn mucous membranes.  
**Inhalation** Non-volatile at ambient temperatures. Mist may be irritating to the respiratory tract.  
**Skin contact** Can cause skin burns and/or irritation?

**Eye contact** Can cause serious eye damage.

**Symptoms related to the physical, chemical and toxicological characteristics** Dermatitis. Rash. May cause an allergic skin reaction.

**Acute toxicity** Not classified.

Product Fiber Rinse (CAS mixture)		
Exposure Classification	Route and Species	LD50 /LC50
Acute	Oral, rat	17,900 mg/kg (estimated)
Acute	Dermal, rabbit	13,400 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

**Skin corrosion/irritation** Can cause severe skin burns.  
**Serious eye damage/ irritation** Can cause serious eye damage.  
**Respiratory sensitization** Not considered a respiratory sensitizer.  
**Skin sensitization** Not considered a skin sensitizer.  
**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  
**Carcinogenicity** Not considered a carcinogen.  
**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not Listed  
**Reproductive toxicity** No data available.  
**Specific target organ toxicity – single exposure** May cause damage to the upper respiratory tract with prolonged exposure to vapors.  
**Specific target organ toxicity – repeated exposure** No data available.  
**Aspiration hazard** No data available.

## 12. Ecological information

Ecotoxicity		
Product Fiber Rinse (CAS mixture)		
Aquatic	Species	LC50 /EC50
Fish	Fathead Minnow ( <i>Pimephales promelas</i> )	1,900 mg/L (estimated)
Fish	Oncorhynchus mykiss	> 1,780 mg/L (estimated) 92-hr
Algae	Pseudokirchneriella subcapitata	> 2,270 mg/L (estimated) 92-hr
Crustacea	Daphnia magna	>3,800 mg/L (estimated) 92-hr
*Estimates for product may be based on additional component data not shown		

**Persistence and degradability** No data available. The listed classes of chemicals are described in literature as exhibiting low persistence and moderate degradation in an open environment

**Bioaccumulative potential** Not data available Components are highly water-soluble are not expected to accumulate in dynamic biological systems

**Partition coefficient n-octanol/water (log K<sub>ow</sub>)** Not available.



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<b>Mobility in soil</b>	No data available. Chemicals of these classes are highly water soluble and will partition readily to water and weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
<b>Other adverse effects</b>	May be harmful to plants or wildlife in high concentrations due to pH modification and published aquatic toxicity thresholds. No other adverse environmental effects known ( <i>i.e. ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor or other deleterious environmental effect</i> )

### 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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company. As packaged, this product may meet criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.
<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).
<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 Not regulated as dangerous goods

### 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**



**WARNING:** This product can expose you to Diethanolamine, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

Issue date 10/15/2014



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Revision date 3/20/2019, 5/18/2020  
Version # 3  
HMIS® ratings Health: 2  
Flammability: 0  
Physical hazard: 0

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

### Acid

NFPA ratings Health: 2  
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

3-20-2019 General format update, Prop 65 statement; Update toxicology, PPE and environmental fate information; PPE notations; Composition chart update; Physical data update; miscellaneous text corrections; HMIS and NFPA pictograms inserted.  
5/18/2020 – Formula revision reducing corrosivity index. Remove DOT hazard class (8), instructions, label pictogram and shipping name (Literature reference). Amend physical data (pH). Update PPE recommended materials