



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>Coffee Remover Powder</b>	
<b>Other means of identification</b>	CU-3440	
<b>Product code</b>		
<b>Recommended use</b>	Coffee stain remover.	
<b>Recommended restrictions</b>	Read use instructions and safety data. Use as directed	
<b>Manufacturer information</b>		
<b>Company name</b>	<b>Chemical Universe, Inc.</b>	
<b>Address</b>	1133 Saline 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>	Acute toxicity, oral	Category 4
	Serious eye damage	Category 1
<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>	Harmful if swallowed. Causes serious eye damage. May cause respiratory inflammation and sensitivity in persons subject to sulfite sensitivity.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection.
<b>Response</b>	<b>IF SWALLOWED:</b> Call a POISON CENTER/doctor/medical professional if you feel unwell. Rinse mouth. If conscious give a glass of water (8-ounces). Do not induce vomiting unless instructed to do so by qualified medical professional. <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/medical professional.
<b>Storage</b>	Store away from strong acids. Keep container tightly closed
<b>Disposal</b>	Dispose of contents/containers in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None.
<b>Supplemental information</b>	None.



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## 3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Sodium metabisulfite	7681-57-4	95-100
Other components below reportable levels		1-5

## 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. Neutralize burns with vinegar. 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. May cause irritation to skin and eyes. May cause severe, or fatal, allergic reaction if swallowed or inhaled by some asthmatics or others highly sensitive to sulfite products.
<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. Difficulty breathing, hives and unconsciousness can be indicators of anaphylactic shock. The victim should be immediately subject to emergency medical care or pharmaco-intervention.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Advise of the risk of anaphylactic shock in susceptible individuals. Wash contaminated clothing thoroughly 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 the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed. Sulfur dioxide gas will be produced as the product decomposed above 150°C.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire. This material can readily emit sulfur dioxide gas when in contact with extremely-heated water or steam.
<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>	This product can release sulfur dioxide when heated above 150° C (302°F). Special caution should be exercised when entering a confined storage area subject to radiant heating

## 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.
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**Methods and materials for containment and cleaning up**

This product is miscible in water.

Large spills: Place the material in containers using a broom or shovel. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Sweep up and put into labeled containers. Clean surface thoroughly 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 sewers, surface drainage paths and 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 ACGIH Threshold Limit Values**

Components	Type	Value
Sodium metabisulfite	STEL	5 mg/m <sup>3</sup>

**OSHA Permissible Exposure Limit**

Components	Type	Value
Sulfur dioxide	PEL	5 ppm

**Biological limit values**

No data available.

**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. Do not use or store in confined areas or secondary containers not equipped with captive 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. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods, coveralls, or encapsulated suits. Suggested protective materials: Nitrile and PVC rubber.

**Other**

Wear appropriate chemical-resistant clothing. Use of an impervious apron is recommended for extended direct exposure to powder.



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<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable NIOSH-approved respiratory protection equipment. Minimum N-95 NIOSH-approved particulate respirator is recommended.
<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>	Fine powder
<b>Color</b>	White
<b>Odor</b>	Pungent sulfur dioxide odor
<b>Odor threshold</b>	Not available.
<b>pH</b>	4.3 (1% solution)
<b>Melting/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Flammability Limits</b>	
<b>Upper</b>	Not applicable.
<b>Lower</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Specific gravity (water=1)</b>	1.48
<b>Solubility in water</b>	39% by wt. @16°C
<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not applicable.

## 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. Under heating the material can decompose releasing sulfur dioxide gas (toxic and corrosive)
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur
<b>Conditions to avoid</b>	Avoid storage in elevated temperatures, with ice or very wet conditions. Store away from strong acids and oxidizers.
<b>Incompatible materials</b>	Bases, amines, strong oxidizers, alkaline metals, ice, heated water
<b>Hazardous decomposition products</b>	Sulfur dioxide and/or hydrogen sulfide and sodium sulfide (highly flammable gas). In case of fire see section 5.



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## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Do not ingest. May be harmful if swallowed. May cause severe or fatal reactions with individuals who are asthmatic or sensitive to sulfite compounds. Symptoms may include severe colic and diarrhea. Large doses may be fatal.
<b>Inhalation</b>	Do not inhale. May irritate upper respiratory tract. May cause severe or fatal reactions with individuals who are asthmatic or sensitive to sulfite compounds, Symptoms may include cough sweating, rapid heart rate, hives and anaphylactic shock
<b>Skin contact</b>	Prolonged contact may cause irritation of skin and mucous tissues.
<b>Eye contact</b>	Can cause serious eye damage.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Coughing, wheezing, shortness of breath, hives, unconsciousness. Pain, swelling excessive tearing and redness of the eye. Blurred vision and temporary blindness are possible effects of over-exposure,
<b>Acute toxicity</b>	Harmful if swallowed.

<b>Product</b>	Coffee Remover Powder (CAS mixture)	
<b>Exposure Classification</b>	<b>Route and Species</b>	<b>LD<sub>50</sub> /LC<sub>50</sub></b>
<b>Acute</b>	<i>Oral, rat</i>	1,131 mg/kg (Literature)

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

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

## 12. Ecological information

Ecotoxicity		
<b>Product</b>	Coffee Remover Powder (CAS mixture)	
<b>Aquatic</b>	<b>Species</b>	<b>Test Thresholds</b>
Fish	Fathead minnow ( <i>Pimephales promelas</i> )	LC <sub>50</sub> = 150 mg/L (92-hr)
Crustacea	Daphnia magna	EC <sub>50</sub> = 89 mg/L (48-hr)
Algae	ND Blue-Green	EC <sub>50</sub> = 48mg/L (72-hr)
*Estimates for product may be based on additional component data not shown		
<i>Specific toxicity threshold cannot be derived as the potential effects are highly dependent upon the pH of the receiving water and its buffer capacity highly variable.</i>		

<b>Persistence and degradability</b>	No data available. COD 168 mg/g
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<b>Bioaccumulative potential</b>	Bio-accumulative potential is very low.
<b>Partition coefficient n-octanol/water (log K<sub>ow</sub>)</b>	Not applicable
<b>Mobility in soil</b>	No data available. Chemicals of this class are highly water-soluble. Soluble gases and ionic fractions are expected to exhibit high mobility in saturated and semi-saturated soils
<b>Other adverse effects</b>	May be harmful to plants or wildlife in high concentrations.

## 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 reactive (D003) hazardous waste when disposed due to the availability of reactive sulfides. (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.

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<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). Avoid allowing water to remain in containers that have not had all residual product removed
<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

<b>USDOT</b>	Not regulated as dangerous goods.
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## 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)

**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 (1/2019)

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

<b>Issue date</b>	5/26/2015
<b>Revision date</b>	9/27/2019, 5/6/2020



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**Version #** 3  
**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 1



**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 1



**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** 9/27/2019  
Update medical precautions, firefighter precautions and compatibility text.  
Change NFPA and HMIS classification to include reactivity 1.  
Amend eco-toxicity data. General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added.  
5/6/2020 Update exposure risks/symptoms, response and storage precautions and disposal advisory.