

#### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Rainbow Flame Crystals  
**SDS Number:** 10  
**Product Code:** 715, 715B, 715C, 715CS, 715G, 715S  
**Revision Date:** 6/20/2019  
**Version:** 1  
**Product Description:** Granular material that produces color when heat activated.  
**Product Use:** Create colors in wood fires for enhanced visual experience

**Supplier Details:** Rutland Products  
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#### 2 HAZARDS IDENTIFICATION

##### Classification of the Substance or Mixture

###### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 B  
Health, Acute toxicity, 5 Inhalation

##### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



###### GHS Hazard Statements:

H315 - Causes skin irritation  
H320 - Causes eye irritation  
H333 - May be harmful if inhaled

###### GHS Precautionary Statements:

P264 - Wash skin thoroughly after handling.  
P280 - Wear protective gloves/ eye protection/ face protection.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P304 + P312 - IF INHALED: Call a POISON CONTROL CENTER (800-222-1222), physician or emergency room if you feel unwell.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/ attention.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.

##### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Route of Entry:** Eyes; Skin; Inhalation;

**Inhalation:** Respiratory tract irritation may occur with exposure to a large amount of material.

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause irritation.

**Ingestion:** Ingestion is not an applicable route of entry for intended use. May be harmful if swallowed.



## Safety Data Sheet

### Rainbow Flame Crystals

#### 3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
14808-60-7		Silica, crystalline
12125-02-9		Ammonium chloride ((NH <sub>4</sub> )Cl)
7758-99-8		Copper, Sulfate Pentahydrate (CuSO <sub>4</sub> (5H <sub>2</sub> O))
9004-34-6		Cellulose

Percentages withheld, Trade Secret.

#### 4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.
- Skin Contact:** Wash with plenty of water. Get medical attention if irritation develops or persists.
- Eye Contact:** Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
- Ingestion:** If Swallowed, DO NOT INDUCE VOMITING. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.

#### 5 FIRE FIGHTING MEASURES

- Flash Point:** Not Available
- Flash Point Method:** Not Available
- Burning Rate:** Not Available

Use any standard agent - choose the one most appropriate for type of surrounding fire.

#### 6 ACCIDENTAL RELEASE MEASURES

Sweep up, place in bag and hold for waste disposal. Transfer to a container for disposal or recovery.

#### 7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes and skin. Use in a well-ventilated area. Keep away from food and drinking water. Avoid breathing dust, vapors or mist.
- Storage Requirements:** Store in cool/dry area.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.
- Personal Protective Equipment:** Exhaust ventilation; In poorly ventilated areas you must wear a supplied air respirator. Usage of safety glasses/ goggles is recommended. Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Granular - blue/tan
- Physical State:** Solid
- Odor:** None



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<b>Odor Threshold:</b>	Not Available	<b>Molecular Formula:</b>	Not Available
<b>Particle Size:</b>	Not Available	<b>Solubility:</b>	Insoluble in water
<b>Spec Grav./Density:</b>	Not Available	<b>Softening Point:</b>	Not Available
<b>Viscosity:</b>	Not Available	<b>Percent Volatile:</b>	Not Available
<b>Saturated Vapor Concentration:</b>	Not Available	<b>Heat Value:</b>	Not Available
<b>Boiling Point:</b>	Not Available	<b>Freezing/Melting Pt.:</b>	Not Available
<b>Flammability:</b>	Not Available	<b>Flash Point:</b>	Not Available
<b>Partition Coefficient:</b>	Not Available	<b>Octanol:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>pH:</b>	Not Available	<b>VOC:</b>	Not Available
<b>Evap. Rate:</b>	Not Available	<b>Bulk Density:</b>	Not Available
<b>Molecular weight:</b>	Not Available	<b>Auto-Ignition Temp:</b>	Not Available
<b>Decomp Temp:</b>	Not Available	<b>UFL/LFL:</b>	Not Available

**10****STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Contact with incompatible materials
<b>Materials to Avoid:</b>	Strong Bases
<b>Hazardous Decomposition:</b>	Sulfur and copper oxides
<b>Hazardous Polymerization:</b>	Will not occur.

**11****TOXICOLOGICAL INFORMATION**

No data available.

**12****ECOLOGICAL INFORMATION**

No information available

**13****DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state and federal regulations.

**14****TRANSPORT INFORMATION**

Not Regulated

**15****REGULATORY INFORMATION**

RQ (CAS#) Substance - Reg Codes

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Silica, crystalline (14808-60-7) GADSL, MASS, NRC, OSHAWAC, PA, PROP65, TSCA, TXAIRRQ(5000LBS), Ammonium chloride ((NH<sub>4</sub>)Cl) (12125-02-9) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIRCopper, Sulfate Pentahydrate (CuSO<sub>4</sub> (5H<sub>2</sub>O)) (7758-99-8)

Cellulose (9004-34-6) MASS, OSHAWAC, PA, TSCA, TXAIR

**WARNING**This product can expose you to chemicals including Silica, Crystalline, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## Safety Data Sheet

### Rainbow Flame Crystals

#### Regulatory Code Legend

RQ = Reportable Quantity  
GADSL = Global Automotive Declarable Substance List (GADSL)  
MASS = MA Massachusetts Hazardous Substances List  
NRC = Nationally Recognized Carcinogens  
OSHA WAC = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
PROP65 = CA Prop 65  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances

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#### OTHER INFORMATION

PREPARED BY: Brian Miller

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.

Revision Date: 6/20/2019