

Rainbow Flame Crystals

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Rainbow Flame Crystals
SDS Number: 10
Product Code: 715, 715C, 715S, 715P
Revision Date: 5/9/2023
Version: 1.2
Product Description: Granular material that produces color when heat activated.
Product Use: Create colors in wood fires for enhanced visual experience

Supplier Details: Rutland
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2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 5 Inhalation

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious 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.

Safety Data Sheet

Rainbow Flame Crystals

Eye Contact: May cause irritation.
Ingestion: Ingestion is not an applicable route of entry for intended use. May be harmful if swallowed.

3 COMPOSITION/INFORMATION OF INGREDIENTS

CAS#	Chemical %	Chemical Ingredients: Chemical Name:
14808-60-7		Silica, crystalline
12125-02-9		Ammonium chloride ((NH ₄)Cl)
7758-99-8		Copper, Sulfate Pentahydrate (CuSO ₄ (5H ₂ 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

Flammability: Non-Flammable

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

Safety Data Sheet

Rainbow Flame Crystals

Physical State:	Solid	Odor:	None
Odor Threshold:	Not Available	Molecular Formula:	Not Available
Particle Size:	Not Available	Solubility:	Insoluble in water
Spec Grav./Density:	Not Available	Softening Point:	Not Available
Viscosity:	Not Available	Percent Volatile:	Not Available
Saturated Vapor Concentration:	Not Available	Heat Value:	Not Available
Boiling Point:	Not Available	Freezing/Melting Pt.:	Not Available
Flammability:	Not Available	Flash Point:	Not Available
Partition Coefficient:	Not Available	Octanol:	Not Available
Vapor Pressure:	Not Available	Vapor Density:	Not Available
pH:	Not Available	VOC:	Not Available
Evap. Rate:	Not Available	Bulk Density:	Not Available
Molecular weight:	Not Available	Auto-Ignition Temp:	Not Available
Decomp Temp:	Not Available	UFL/LFL:	Not Available

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STABILITY AND REACTIVITY

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

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TOXICOLOGICAL INFORMATION

No data available.

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ECOLOGICAL INFORMATION

No information available

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DISPOSAL CONSIDERATIONS

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

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TRANSPORT INFORMATION

Not Regulated

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REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[--%] Silica, crystalline (14808-60-7) GADSL, MASS, NRC, OSHAWAC, PA, PROP65, TSCA, TXAIR

[--%] RQ(5000LBS), Ammonium chloride ((NH₄)Cl) (12125-02-9) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[--%] Copper, Sulfate Pentahydrate (CuSO₄ (5H₂O)) (7758-99-8)

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

Rainbow Flame Crystals



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.

Regulatory Code Legend

RQ = Reportable Quantity
GADSL = Global Automotive Declarable Substance List (GADSL)
MASS = MA Massachusetts Hazardous Substances List
NRC = Nationally Recognized Carcinogens
OSHA = 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: Rutland

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: 5/9/2023