

SAFETY DATA SHEET



Date Prepared : 05/09/2016
SDS No : W Rainbow Flame
Date Revised : 04/26/2017
Revision No : 1

Rainbow Flame Crystals

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Rainbow Flame Crystals
GENERAL USE: Colorful flames when added to wood fire
PRODUCT CODE: Rainbow Flame Crystals

MANUFACTURER

Rutland Products
7 Crabtree Rd.
Jacksonville, IL 62650
Emergency Phone: 800-424-9300
Alternate Emergency Phone: 217-245-7810
Customer Service: 800-544-1307
E-Mail: sales@rutland.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION**GHS CLASSIFICATIONS**

Skin Irritation, Category 2
 Eye Irritation, Category 2B
 Acute Toxicity (Inhalation), Category 5

GHS LABEL

Exclamation
 mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

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

PRECAUTIONARY STATEMENTS**Prevention:**

P264: Wash ... thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water/...
 P362+P364: Take off contaminated clothing and wash it before reuse.
 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.
 P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Vol. % | CAS |
|-----------------------------|-------------------------|------------|
| Copper Sulfate Pentahydrate | Withheld, trade secret. | 7758-99-8 |
| Ammonium Chloride | Withheld, trade secret. | 12125-02-9 |

4. FIRST AID MEASURES

EYES: 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.

SKIN: Wash with plenty of water. Get medical attention if irritation develops or persists.

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.

INHALATION: If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation

SKIN: Irritation, rash.

INHALATION: Irritation of nose, throat and upper respiratory tract.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable.

EXPLOSION HAZARDS: NA = Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: With shovel or scoop, place material into appropriate container.

7. HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep away from food and drinking water.

STORAGE: Keep in a cool, well ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | |
|---|--------------|------|-------------------|----|
| EXPOSURE LIMITS | | | | |
| Chemical Name | Type | ppm | mg/m ³ | |
| Ammonium Chloride | ACGIH TLV | TWA | 10 | |
| | | STEL | 20 | |
| | Supplier OEL | TWA | NL | NL |
| | | STEL | NL | NL |

ENGINEERING CONTROLS: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.

SKIN: Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular solids
ODOR: Mild, not unpleasant.
ODOR THRESHOLD: Not Available
COLOR: Mixed
pH: Not Available
FLASH POINT AND METHOD: Not Available
FLAMMABLE LIMITS: Not Available
AUTOIGNITION TEMPERATURE: Not Available
VAPOR PRESSURE: Not Available
VAPOR DENSITY: Not Available
BOILING POINT: Not Available
FREEZING POINT: Not Available
MELTING POINT: Not Available
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: Soluble
PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Available
EVAPORATION RATE: Not Available
DENSITY: Not Available
VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

STABILITY: Stable product.
POSSIBILITY OF HAZARDOUS REACTIONS: Sulfur and copper oxides
INCOMPATIBLE MATERIALS: Strong bases

11. TOXICOLOGICAL INFORMATION

SKIN CORROSION/IRRITATION: Skin Irritant
SERIOUS EYE DAMAGE/IRRITATION: Eye Irritant

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: May be harmful to the environment if allowed to directly enter water intakes. Clean up spills immediately. Notify proper authorities according to local, state and federal regulations.
ECOTOXICOLOGICAL INFORMATION: May cause long-term adverse effects in the aquatic environment
BIOACCUMULATION/ACCUMULATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of this product in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
OTHER SHIPPING INFORMATION: Not Regulated
ROAD AND RAIL (ADR/RID): Not regulated
AIR (ICAO/IATA): Not regulated
VESSEL (IMO/IMDG): Not regulated

15. REGULATORY INFORMATION**UNITED STATES****CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

| Chemical Name | Vol. % | CERCLA RQ |
|-------------------|-------------------------|-----------|
| Ammonium Chloride | Withheld, trade secret. | 5,000 |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name | CAS |
|-------------------|------------|
| Ammonium Chloride | 12125-02-9 |

16. OTHER INFORMATION

PREPARED BY: Chad Stewart **Date Revised:** 04/26/2017

REVISION SUMMARY: This SDS replaces the 05/09/2016 SDS.

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.