

Product: FireIce Cool Blue-F
 Effective Date: January 2014

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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FireIce Cool Blue-F**
 Color Index Number: 42090
 Dye Class: Triphenylmethane

Company Identification **FireIce Gel, Inc.**
 1460 Park Lane South
 Jupiter, Florida 33458
 United States of America

Telephone / FAX 561-427-6144 / 561-427-6182
 Product Use/Description Food and Cosmetic colorant, FDA Approved

2. COMPOSITION, INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

There are no hazardous materials contained in this product.

NON-HAZARDOUS COMPONENTS

FD&C Blue 1 Pigment CAS# 3844-45-9
 Sodium Sulfate CAS# 7757-82-6

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

ATTENTION: This material is approved by the US Food and Drug Administration (FDA) for use in coloring foods, drugs and cosmetics. This material is not known to be hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. However, as with all chemicals, handle with care.

EFFECTS FROM ACUTE OVEREXPOSURE

- **EYE CONTACT:** Excess exposure may cause slight irritation.
- **SKIN CONTACT:** Considered non-irritating.
- **INHALATION:** None known.
- **INGESTION:** None known.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

CARCINOGENICITY

IARC	NTP	OSHA REGULATED
No	No	No

PRIMARY ROUTES OF ENTRY: Skin contact, Inhalation, Eye contact, Ingestion



4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Get medical attention if irritation persists.

SKIN CONTACT: Product is considered non-toxic. Wash the affected area thoroughly with plenty of water and soap.

INHALATION: Product is considered non-toxic. If affected, remove to fresh air. If breathing is difficult give oxygen. If not breathing give artificial respiration. Get medical attention.

INGESTION: Product is considered non-toxic. If large amounts are ingested, dilute with water and contact a physician. Only induce vomiting on the advice of medical personnel.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not Applicable.

LOWER EXPLOSIVE LIMIT: Not Applicable.

UPPER EXPLOSIVE LIMIT: Not Applicable.

EXTINGUISHING MEDIA: CO2, Foam, Dry Chemical, Water Fog

FIRE FIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and protective equipment. Cool exposed containers with water spray after extinguishing fire.

UNUSUAL FIRE/EXPLOSION HAZARDS: None known

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Safely stop discharge. Contain material, as necessary, with a dike or barrier. Small spills may be washed with soap and water and flushed down the drain. Stop large spills from contaminating soil, or from entering sewers or bodies of water. Appropriate safety measures and protective equipment should be used. See section 8. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.



7. HANDLING AND STORAGE

Storage and Handling

Product is a certified food color. Store in an area away from toxic or hazardous materials. Store in a dry area. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

None generally necessary. If large amounts are used and dye dust is generated, local exhaust ventilation may be necessary to control dye dust from building up during the use of this product.

RESPIRATORY PROTECTION:

If exposure to dust is likely, a NIOSH approved respirator with a protection factor of 10 is recommended. No exposure limits have been established for this product.

EYE/FACE PROTECTION:

Even though product is non toxic, it is advised to wear protective safety goggles.

SKIN PROTECTION:

Wear chemical resistant protective gloves to prevent dye from staining skin.

OTHER PROTECTIVE EQUIPMENT:

Wear overalls, apron, or other protective clothing to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Ionic Nature	Anionic
Appearance/Color	Blue
Odor	None
Solubility (in water)	Non-Soluble
Bulk Density	Approx. 0.6-0.7
Molecular weight	792.84



10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known

INCOMPATIBILITY WITH OTHER MATERIALS: None known

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning will produce oxides of carbon, nitrogen and/or sulfur.

HAZARDOUS POLYMERIZATION:

Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGY INFORMATION

INGREDIENT	Route	Species	Exposure & Dose
Oral LD50	>2000 mg/kg	Rat/adult.	

12. ECOLOGICAL INFORMATION

%BOD after 7 days = 77.
%BOD after 12 days = 84.
%BOD after 20 days = 88.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Not considered hazardous waste per EPA RCRA 40 CFR Part 261. Bury or incinerate according to federal, state and local regulations.

CONTAINERS: Containers should be triple rinsed, according to federal regulations and/or good management practice.

14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME	Not DOT Regulated
DOT HAZARD CLASS	Not Hazardous
UN Number	N/A
UN Pack Group	N/A
UN Class	N/A
ICAO/IATA Class	N/A
IMDG Class	N/A
ADR/RID Class	N/A



15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: As follows:

OSHA: Not hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 302: None found

SARA SECTION 311, 312 HAZARD CLASS: None

SARA SECTION 313:

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR Part 372.

METAL CONTENT: This product is not a metallized dye.

U.S. TOXIC SUBSTANCES CONTROL ACT:

All components of this product are included on the TSCA Section 8 Inventory.

CALIFORNIA PROPOSITION 65: No Proposition 65 chemicals exist in this product.



16. OTHER INFORMATION

HMIS RATINGS: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0
 PERSONAL PROTECTION: B

ABBREVIATIONS

ACGIH...: American Conference of Governmental Industrial Hygienists (USA)
BOD....: Biochemical Oxygen Demand
CAS No.: Chemical Abstract Service Registry Number
C.I. ...: Color Index
DOT....: Department of Transportation (USA)
DSL....: Domestic Substance List (Canada)
EPA....: Environmental Protection Agency (USA)
HMIS...: Hazardous Material Information System
IARC...: International Agency for Research on Cancer
IATA...: International Air Transport Association
ICAO...: International Civil Aviation Organization
IMDG...: International Maritime Dangerous Goods
IMO....: International Maritime Organization
LC50...: Lethal Concentration 50 (The concentration in air of a toxic substance that was required to cause the death of half the test animal population under controlled administration.)
LD50...: Lethal Dose 50 (The dose that was required to cause the death in half the test animal population under controlled administration. Either ingestion or skin contact may be evaluated.)
LEL....: Lower Explosive Limit. (The concentration of a compound in air below which flame will not propagate if the mixture is ignited.)
MSHA...: Mine Safety and Health Administration
N/A....: Not Applicable
N.E. ...: None Established
NFPA...: National Fire Protection Association
NIOSH...: National Institute for Occupational Safety and Health
NTP....: National Toxicology Program
OSHA...: Occupational Safety & Health Administration (USA)
ppm....: ppm
R-T-K...: Right-To-Know
SARA...: Superfund Amendments and Reauthorization Act (USA)
STEL...: Short Term Exposure Limit (ACGIH)
TLV....: Threshold Limit Value (ACGIH)
TSCA...: Toxic Substances Control Act (USA)
TSRN...: Toxic Substances Registration Number
TWA....: Time Weighted Average (exposure for 8-hour workday)
UEL....: Upper Explosive Limit
VOC....: Volatile Organic Compound
WHIMS...: Workplace Hazardous Materials Information System (Canada)
(w/w)...: concentration percentage based upon weight

Users Responsibility/Disclaimer of Liability

The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.

