
SECTION 1 - Identification

Recommended use of the chemical and restrictions on use:

Uses:	FD&C Color
Restrictions on use:	None identified

Details of the supplier:

Manufacturer/Supplier:	SAFFIRE BLUE INC. 1444 BELL MILL SIDEROAD TILLSONBURG, ON N4G4G9 CANADA www.saffireblue.ca 519-286-0295 877-248-1115
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Emergency telephone number: ChemTel (MIS3548100)
(800) 255-3924 United States, Canada, Puerto Rico and the U.S. Virgin Islands
(813) 248-0585 International

SECTION 2 - Hazard(s) identification

Potential physical and environmental effects : None known.

Potential health effects:

Acute health effects: Dust inhalation may cause respiratory irritation. Solid particles on the eye (powder/dust) may cause pain and be accompanied by irritation. Repeated or prolonged skin contact may cause irritation.

Chronic health effects: None known.

See Section 11 for toxicological information .

SECTION 3 - Composition / information on ingredients

Substance:

No Hazardous Components found under applicable regulations.

Notes: No Additional Information

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits. Percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).

SECTION 4 - First-aid measures

Description of first aid measures:

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin contact: Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

Inhalation: If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion: Get medical attention if symptoms occur.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

Most important symptoms/effects, acute and delayed: irritation, Skin contact may discolor skin due to pigment. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

SECTION 5 - Fire-fighting measures

NFPA flammability class: N/A

Extinguishing media:

Suitable: Carbon dioxide, foam, dry chemical, water

Unsuitable: None known.

Specific hazards arising from the chemical:

Unusual fire/explosion hazards: Dust suspended in air in critical proportions and in the presence of an ignition source may be ignited by electrical arcs, sparks, welding torches, open flame or other significant heat sources including, possibly, electrostatic discharge.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 Hazardous decomposition products for additional information.

Special protective equipment and precautions for fire-fighters: Water spray (fog) can be used to absorb heat and to cool and protect surrounding exposed material. Avoid hose streams or any method which will create dust clouds. Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

See section 9 for additional information.

SECTION 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures: See Section 8 for recommendations on the use of personal protective equipment if spilled in an enclosed area, ventilate. Eliminate ignition sources. If inhalation of dust cannot be avoided, wear an approved particulate respirator.

Environmental precautions: Do not flush product into public sewer, water systems or surface waters.

Methods and materials for containment and cleaning up: Wear proper personal protective clothing and equipment. Using care to avoid dust generation, vacuum or sweep into a closed container for reuse or disposal. Moisten slightly with water to reduce dusting. Use approved industrial vacuum cleaner for removal. Avoid causing dust. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and laundry before reuse.

SECTION 7 - Handling and storage

Precautions for safe handling: With any chemical product, use good laboratory/workplace procedures. Use under well-ventilated

conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid routine inhalation of dust of any kind. Exercise care when emptying containers, sweeping, mixing or doing other tasks which can create dust. Provide eyewash fountains and safety showers in the work area.

Although the risk of a dust explosion is low, as a precaution, implement the following safety measures: Eliminate ignition sources (e.g., sparks, static buildup, excessive heat, etc.). In general, dust of organic materials is a static charge generator which may be ignited by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources. Good housekeeping and controlling of dusts are necessary for safe handling of product. Prevent accumulation of dust (e.g., well-ventilated conditions, promptly vacuuming spills, cleaning overhead horizontal surfaces, etc.).

Conditions for safe storage, including any incompatibilities: Store in dry area. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

SECTION 8 - Exposure controls / personal protection

Control parameters:

Occupational exposure limits: No applicable exposure limits.

PNOS: ACGIH has recommended the following exposure limits for Particulates (insoluble or poorly soluble) not otherwise specified (PNOS): 10 mg/m³ TINA (inhalable particles), 3 mg/m³ TWA (respirable particles).

OSHA exposure limits for Particulates not otherwise regulated are 15 mg/m³ TINA (total dust) and 5 mg/m³ TINA (respirable fraction).

Exposure controls:

Appropriate engineering controls: Always provide effective general and, when necessary, local exhaust ventilation to draw dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. (Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH. 45240-1634, USA) (<http://www.acgih.org/home.htm>).

Individual protection measures, such as personal protective equipment (PPE):

Eye/face protection: Wear eye protection.

Skin and body protection: Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: lab coat, safety glasses and protective gloves.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. If inhalation of dust cannot be avoided, wear an approved particulate respirator. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

Further information: Eyewash fountains and safety showers are recommended in the work area.

SECTION 9 - Physical and chemical properties

Form	Powder	pH	Not Applicable
Appearance	Orange	Relative density	Not Available
Odor	Mild	Partition coefficient (n-octanol/water)	Not Available
Odor threshold	Not Available	% Volatile by weight	Not Available
Solubility in water	Insoluble	VOE	Not Available
Evaporation rate	Non-volatile	Flash point	Not Applicable
Vapor pressure	Not Applicable	Boiling Point °C	Not Applicable
Vapor density	Non-volatile	Boiling Point °F	Not Applicable
Viscosity	Not Available	Auto-ignition temperature	Not Available
Melting point / Freezing	Not Available	Flammability	Not flammable (may form combustible dust)

point		{solid, gas)	air mixtures)
Oxidizing properties	Not oxidizing	Flammability or explosive limits	LFL:JLEL Not Available UFUUEL Not Available
Decomposition temperature	Not Available		

Other information: Amounts specified are typical and do not represent a specification.

SECTION 10 - Stability and reactivity

Reactivity: None known.

Chemical stability: This product is stable.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid dust formation.

Incompatible materials: Avoid contact with strong oxidizing agents.

Hazardous decomposition products: Aluminum oxides. Oxides of carbon, oxides of nitrogen, oxides of sulfur.

Notes: No Additional Information.

SECTION 11- Toxicological information

Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

Information on likely routes of exposure:

General: No Additional Information

Eyes: Solid particles on the eye (powder/dust) may cause pain and be accompanied by irritation.

Skin: Repeated or prolonged skin contact may cause irritation.

Inhalation: Dust inhalation may cause respiratory irritation.

Ingestion: Ingestion may cause irritation.

Symptoms/effects, acute and delayed: Irritation . Skin contact may discolor skin due to pigment.

Acute toxicity information: Not classified.

No toxicity studies have been conducted on this product

Corrosion/Irritation/Sensitization information: Skin

corrosion/irritation: Not classified. Serious

eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Carcinogenicity/Mutagenicity/Reproductive toxicity information:

Carcinogenicity: Not classified.

Carcinogenic status: Not listed or regulated by IARC, NTP, OSHA. or ACGIH.

Germ cell mutagenicity: Not classified.

Reproductive toxicity : Not classified.

Specific target organ toxicity (STOT):

STOT-single exposure: Not classified.

STOT-repeated exposure: Not classified.

Aspiration hazard: Not classified.

Other toxicity information:

No additional information available.

SECTION 12 - Ecological information

Ecotoxicity: No ecological testing has been conducted on this product.

Persistence and degradability: No specific information available.

Bioaccumulative potential: No specific information available.

Mobility in soil: No specific information available.

Other adverse effects: No Additional Information

SECTION 13 - Disposal considerations

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate or landfill waste in a properly permitted facility in accordance with federal, state and local regulations.

See Section 8 for recommendations on the use of personal protective equipment.

SECTION 14 - Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

UN number: N/A

UN proper shipping name:

Not regulated - See Bill of Lading for Details

Transport hazard class(es):

U.S. DOT hazard class:	N/A
Canada TOG hazard class:	N/A
Europe ADR/RID hazard class:	N/A
IMDG Code (ocean) hazard class:	N/A
ICAO/IATA (air) hazard class:	N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

Packing group :N/A

Environmental hazards:

Marine pollutant: Not Applicable

Hazardous substance (USA) :Not Applicable

Special precautions for user: Not Applicable

Notes: No Additional Information

SECTION 15 - Regulatory information

Safety, health and environment regulations/legislation specific for the product:

US. federal and state regulations/legislation:

This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

US. Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Reportable Quantity (RQ):

Not Applicable

U.S. Superfund Amendments and Reauthorization Act (SARA):

SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None Known

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer: None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards: None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Notes: No Additional Information

The chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

Notes: No Additional Information

Canada regulations/legislation:

Canadian Ingredient Disclosure List: The following components are on the Canadian Ingredient Disclosure List (WHMIS) : None Listed

Canadian Workplace Hazardous Material Information System (WHMIS) classification: Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SOS contains all the information required by the Controlled Products Regulations.

Notes: No Additional Information

Mexico regulations/legislation:

This SOS contains the information required by NOM-018-STPS-2000 Workplace Hazardous Chemical Substances Communication and Identification Standard.

Chemical inventories:

Regulation	Status
Canadian Domestic Substances List (OSL):	y

Canadian Non-Domestic Substances List (NDSL):	N
European Inventory of Existing Chemical Substances (EINECS):	Y
European List of Notified Chemical Substances (EUNCS):	N
Europe REACH (EC) 1907/2006:	N
U.S. Toxic Substances Control Act (TSCA):	Y

A -Y- listing indicates all intentionally added components are listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed.

Chemical inventory notes: No Additional Information

Notes: No Additional Information

SECTION 16 Other information

Notes: No Additional Information

MSDS Revision date: 04/08/2013

HMIS Rating
 Health: 0 Flammability: 1 Reactivity (Stability): 0 Personal Protection: X

NFPA Rating
 Health: 0 Flammability: 1 Instability: 0

Key: 0=insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme. An asterisk appearing after the HMIS Health numerical rating denotes a chronic hazard.

Hazardous Materials Identification System (HMIS), National Paint and Coating Association, rating applies to product "as packaged" (i.e., ambient temperature). Ratings are based upon HMIS III and NFPA 704 (2007). An asterisk appearing after the HMIS Health III numerical rating denotes a chronic hazard. National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

Legend:

ACGIH:	American Conference of Governmental Industrial Hygienists
A1:	Confirmed human carcinogen.
A2:	Suspected human carcinogen
A3:	Animal carcinogen
ADRJRID:	European dangerous goods transport road and rail regulations
ATE:	Acute Toxicity Estimate
bw:	body weight
C:	Ceiling Limit
CAS No:	Chemical Abstract Service Registry Number
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
DOT:	Department of Transportation (U.S.)
EPA:	Environmental Protection Agency (U.S.)
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
HMIS:	Hazardous Material Identification System
IARC:	International Agency for Research on Cancer
Group 1:	Carcinogenic to humans
Group 2A:	Probably carcinogenic to humans
Group 2B:	Possibly carcinogenic to humans
Group 3:	Unclassified as a carcinogen to humans
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
MDG Code:	International Maritime Dangerous Goods code
LFULEL:	Lower Flammable Limit/Lower Explosive Limit
MSDS:	Material Safety Data Sheet
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
N/A:	Not Applicable None
NIE:	Established Occupational
OEL:	Exposure Limits
OSHA:	Occupational Safety and Health Administration (U.S.)
PEL:	Permissible Exposure Limit
PNOS:	Particles (Insoluble or Poorly Soluble) Not Otherwise Specified
RQ:	Reportable Quantity

RTK	Right To Know
S or Skin:	Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance
SARA:	Superfund Amendments and Reauthorization Act (U.S. EPA)
SOS:	Safety Data Sheet
STEL:	Short Term Exposure Limit (15 minute Time Weighted Average)
TOG:	Canadian Transportation of Dangerous Goods Act and Regulations
TLV:	Threshold Limit Value
TWA	Time Weighted Average (exposure for 8-hour workday)
UFUEL:	Upper Flammable Limit/Upper Explosive Limit
UN: U.S.:	United Nations
VVHMIS:	United States Canadian Workplace Hazardous Materials Information System

Users responsibility/disclaimer of liability

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.