

SAFFIRE BLUE *inc.*

Material Safety Data Sheet

Product: Bath Bomb Red Powder Color

1. PRODUCT INFORMATION:

Company:

SAFFIRE BLUE INC.
1444 BELL MILL SIDEROAD
TILLSONBURG, ON N4G4G9
CANADA
www.saffireblue.ca
519-286-0295 | 877-248-1115

Emergency Telephone Number(s): ChemTel (MIS3548100)
(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
(813) 248-0585 International

Product Name: Bath Bomb Red Powder Color

Product Description: FD&C Color

2. HAZARD(S) IDENTIFICATION

Potential physical and environmental effects: None known

Potential health effects:

Acute health effects: Inhalation of dust 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

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

Reproductive effects: None Expected

See Section 11 for toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance:

Chemical Name
CI Food Red 17:1

CAS Number
0068583-95-9

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.

4. FIRST AID MEASURES

If irritation or other symptoms (as noted above) 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.

Ingestion: Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: Irritation, skin discoloration due to dye. Preexisting sensitization, skin and / or respiratory disorders or diseases may be aggravated.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE FIGHTING MEASURES

NFPA Flammability C class: N/A

Extinguishing Media: Carbon dioxide, foam, dry chemical, water.

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.

Specific Hazards Arising from the Chemical: Product is not considered a fire hazard, but will burn if ignited. Irritating or toxic substances may be emitted upon burning, combustion or decomposition. Dust suspended in air in critical proportions and in the presence of an ignition source may be ignited by electrical arcs, sparks, melting torches, open flame or other significant heat sources including, possibly, electrostatic discharge.

See section 9 for additional information.

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 allow product to reach ground water, water bodies or sewage system.

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. Do not sweep or flush spilled product into public sewers, streams or other water systems. 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 launder before reuse. Moisten slightly with water to reduce dusting.

7. HANDLING AND STORAGE

Precautions for safe handling: As 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 and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. 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. Bond, ground and properly vent conveyors, dust control devices and other transfer equipment. Good housekeeping and controlling of dust 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: Store in dry area. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

<u>Chemical Name</u>	<u>ACGIH</u> ----- <u>TWA</u> <u>N/E</u>	<u>ACIH</u> ----- <u>STEL</u> <u>N/E</u>	<u>OSHA</u> ----- <u>TWA</u> <u>N/E</u>	<u>OSHA</u> ----- <u>STEL</u> <u>N/E</u>	<u>MEXICO</u> <u>N/E</u>
CI Food Red 17:1					

Notes: PNOS: ACGIH has recommended the following exposure limits for Particulates (insoluble or poorly soluble) not otherwise specified (PNOS): 10 mg/m³ TWA (inhalable particles), 3 mg/m³ TWA (respirable particles). OSHA exposure limits for Particulates not otherwise regulated are 15 mg/m³ TWA (total dust) and 5 mg/m³ TWA (Respirable fraction).

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 MSDS. (Ventilation guidelines / techniques may be found in publications such as Industrial Ventilation – American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, Ohio 45240-1634, USA

Eye/face Protection: Eye protection (e.g. , goggles) suitable for keeping dust out of the eyes.

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 a particulate respirator approved by NIOSH/MSHA. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

General protection: Eyewash fountains and safety showers are commended in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Appearance:	Red
Odor:	None
Solubility in Water:	Insoluble
Evaporation Rate:	Not Volatile
Vapor Pressure:	Not Applicable
Partition Coefficient:	Not Available
Vapor Density:	Not Volatile
Melting Point/Freezing Point:	Not Available
Autoignition Temperature:	Not Available
Viscosity:	Not Available
pH:	Not Applicable
% Volatile by Weight	Not Available
Specific Gravity	Not Available
VOC:	Not Available
Flash Point:	Not Available
Boiling Point °F	Not Applicable
Boiling Point °C	Not Applicable
Oxidizing Properties:	Not Oxidizing
Flammability (solid, gas)	Not Flammable
Explosive Range:	LEL Not Available UEL Not Available
Decomposition Temperature:	Not Available

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

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.

Incompatibility with Other Materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide. Carbon monoxide. Oxides of nitrogen.

Notes: No Additional Information

11. TOXICOLOGICAL INFORMATION

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

Information on toxicological effects:

General: No Additional Information

Inhalation: Dust inhalation may cause respiratory irritation.
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.
Ingestion: Ingestion may cause irritation.

Acute toxicity information:

<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E		N/E	
<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E		N/E	
<u>Chemical Name</u>	<u>Eye Irritation</u>	<u>Species</u>	<u>Skin Irritation</u>	<u>Species</u>	<u>Skin Sensitization</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E		N/E	

Other toxicity information:

No additional information available.

12. ECOLOGICAL INFORMATION

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

<u>Chemical Name</u>	<u>Fish 96 hour LC50</u>	<u>Species</u>	<u>Fish 96 hour LC50</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E	
<u>Chemical Name</u>	<u>Invertebrates 48 hour EC50</u>	<u>Species</u>	<u>Invertebrates 24 hour EC50</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E	
<u>Chemical Name</u>	<u>Algal 96 hour EC50</u>	<u>Species</u>	<u>Algal 72 hour EC50</u>	<u>Species</u>
CI Food Red 17:1	N/E		N/E	

Persistence and degradability: No specific information available.

<u>Chemical Name</u>	<u>Biodegradaton</u>
CI Food Red 17:1	N/E

Bioaccumulative potential: No specific information available.

<u>Chemical Name</u>	<u>Bioconcentration Factor (BCF)</u>	<u>Log Kow</u>
CI Food Red 17:1	N/E	N/E

Mobility in soil: No specific information available.

<u>Chemical Name</u>	<u>Mobility in Soil (Koc/Kow)</u>
CI Food Red 17:1	N/E

Other adverse effects: No additional information.

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 regulation.

14. TRANSPORTATION 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/NA Number:	N/A	U.S. DOT Class:	N/A	IMDG Class:	N/A
Packing Group:	N/A	ICAO/IATA Class:	N/A	TDG Class:	N/A
		ADR/RID Class:	N/A		

Proper Shipping Name: Not regulated.

Environmental hazards:

Marine pollutant: Not applicable

Hazardous substance (USA): Not applicable

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

Notes: No Additional Information

15. REGULATORY INFORMATION

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

U.S. 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

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

Not Applicable

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

SARA Title III Section 312 Hazard Category (40 CFR 370): Not Hazardous

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

Canadian 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

Notes: No Additional Information

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

Chemical Inventories

<u>Regulation</u>	<u>Status</u>
Canadian Domestic Substances List (DSL)	Y
Canadian Non-Domestic Substances List (NDSL)	N
European Inventory of Existing Chemical Substances (EINECS)	Y
European List of Notified Chemical Substances (ELINCS)	N
U.S. Toxic Substances Control Act (TSCA)	Y

A "y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. An "I" 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

16. OTHER INFORMATION

Notes: No additional Information

HMIS Rating Health:	1	Flammability:	1	Reactivity:	0	Personal Protection:	X
NFPA Rating Health:	1	Flammability:	1	Reactivity:	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 Assn. 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
CAS No:	Chemical Abstract Service Registry Number
ADR/RID	European dangerous goods transport road and rail regulations
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 Materials 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
IMDG:	International Maritime Dangerous Goods Code
MSDS:	Material Safety Data Sheet
MSHA:	Mine Safety and Health Administration
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
N/A:	Not Applicable
N/E:	None Established
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PNOS:	Particulates (Insoluble or Poorly Soluble) Not Otherwise Classified
RQ:	Reportable Quantity
RTK:	Right to Know
SARA:	Superfund Amendments and Reauthorization Act (U.S. EPA)
SDS:	Safety Data Sheet
STEL:	Short Term Exposure Limit (15 Minute Time Weighted Average)
TDG:	Canadian Transportation of Dangerous Goods Act and Regulations
TLV:	Threshold Limit Value
C:	Ceiling Limit
S:	Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and by direct skin contact with the substance
UN:	United Nations
U.S.:	United States
WHMIS:	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.