



Safety Data Sheet

FDC BLUE 1 GRAN DM

Safety Data Sheet dated: 1/30/2018 - version 1

Date of first edition: 1/30/2018

1. Identification

Product identifier

Substance identification:

Trade name: FDC BLUE 1 GRAN DM

Other means of identification

Trade code: 057001002

EC number: 223-339-8

Recommended use and restrictions on use

Recommended use: Manufacture of food products

Restrictions on use: Not available

Supplier's details

Company/ undertaking identification: Sensient Colors Canada Ltd.

30 River Street,

Kingston, Ontario

K7K 2A1

Canada

Tel: 1-800-267-7884

Fax: +1 613-546-0355

Emergency phone number

- For emergencies involving dangerous goods, contact CANUTEC's 24h / 24h tel.: 613-996-6666
- For non-hazardous goods, contact SENSIENT Tel: 1-800-267-7884

2. Hazard identification

Classification of the product

0 The product is not classified as dangerous according to WHMIS 2015.

Label elements

The product is not classified as dangerous according to WHMIS 2015.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

3. Composition/information on ingredients

Substances

Chemical characterisation: FDC BLUE 1 GRAN DM

CAS number: 3844-45-9

EC number: 223-339-8

Mixtures

Not Available

Hazardous components within the meaning of WHMIS 2015 and related classification:

Chemical characterisation: FD&C Blue No. 1

CAS number: 3844-45-9

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4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and disinfectant/non-abrasive soap.

In case of eye contact:

Wash immediately with water.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

Not Available

Indication of immediate medical attention and special treatment needed, if necessary

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water, CO2, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO2.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not Available

Explosive properties: ST1

Oxidising properties: Not Available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature:

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

8. Exposure controls/personal protection

Control parameters

No Data Available

Appropriate engineering controls

Not Available

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

Eye/face protection:

Eye glasses with side protection.

Skin protection:

Chemical protection clothing.
No special precaution must be adopted for normal use.

Hand protection:

NBR (nitrile rubber).
Not needed for normal use.

Respiratory protection:

Particle filter device (DIN EN 143).
Not Available

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State Solid
Appearance: Granular, Blue
Odour: Not Available
Odour threshold: Not Available
pH: Not Available
Melting point/ range: 283 °C (541 °F)
Boiling point/ range: 1184 °C (2163 °F)
Flash point: Not Available
Evaporation rate: Not Available
Upper/lower flammability or explosive limits: Not Available
Vapour density: Not Available
Vapour pressure (20°C): Not Available
Density (20°C): Not Available
Water solubility: Soluble
Lipid solubility: Insoluble
Partition coefficient (n-octanol/water): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: 230.00 °C
Viscosity (20°C): Not Available
Explosive properties: ST1
Oxidising properties: Not Available
Flammability (Solid, Gas): Not Available

Other information

Substance group relevant properties: Not Available
Miscibility: Not Available
Fat Solubility: Not Available
Conductivity: Not Available

10. Stability and reactivity

Reactivity

Data not Available.

Chemical stability

Data not Available.

Possibility of hazardous reactions

Burning produces carbon monoxide and/or carbon dioxide.

Conditions to avoid

Data not Available.

Incompatible materials

Data not Available.

Hazardous decomposition products

Data not Available.

11. Toxicological information

Information on toxicological effects

Toxicological Information of the Substance

FD&C Blue No. 1	b) skin corrosion/irritation	Skin Irritant Moderate irritation
	c) serious eye damage/irritation	Eye Irritant Slightly irritant
	a) acute toxicity	LD50 Oral Rat > 2000.00000 mg/kg

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

FD&C Blue No. 1 Group 3

None

None

None

Not Available

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Transport hazard class(es)

TDG-Class: N/A
ADR-Class: N/A
DOT Hazard Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

Packing group

TDG-Packing Group: N/A
ADR-Packing Group: N/A
DOT Packing Group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: No
Environmental Pollutant: Not Available

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not Available

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: N/A

Department of Transportation (DOT/TDG):

DOT-Special Provision(s): N/A
DOT Label(s): N/A
DOT Symbol: N/A
DOT Cargo Aircraft: N/A
DOT Passenger Aircraft: N/A
DOT Bulk: N/A
DOT Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: N/A
ADR-Upper number: N/A
ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Sub Risk: N/A
IATA-Erg: N/A
IATA-Special Provisioning: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Sub Risk: N/A
IMDG-Special Provisioning: N/A
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: N/A
IMDG-MFAG: N/A

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

WHMIS Classification

No Data available

NPRI (National Pollutant Release Inventory) - List of substances listed

None

DSL (Domestic substances list)

This substance is listed in the DSL.

NDSL (Non domestic substances list)

This substance is not listed in the NDSL.

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

This substance is listed on the TSCA inventory

TSCA listed substances:

FD&C Blue No. 1 is listed in TSCA Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No

Section 304 - Hazardous substances:

No

Section 313 - Toxic chemical list:

No

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

None

CAA - Clean Air Act

CAA listed substances:

None

CWA - Clean Water Act

CWA listed substances:

None

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Yes

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. Other information

Code	Description
CANH003	May form combustible dust concentrations in air.

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

y for the damage.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
CLP: Classification, Labeling, Packaging
EINECS: European Inventory of Existing Commercial Chemical Substances
INCI: International Nomenclature of Cosmetic Ingredients
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GefStoffVO: Ordinance on Hazardous Substances, Germany
LC50: Lethal concentration, for 50 percent of test population
LD50: Lethal dose, for 50 percent of test population
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
TWATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day.(ACGIH Standard)
STEL: Short Term Exposure limit
STOT: Specific Target Organ Toxicity
WGK: German Water Hazard Class
KSt: Explosion coefficient