

Mi 6:8
301 TWEEDSMUIR AVE LONDON ON N5W 1L5 CANADA

PRODUCT NAME : BFG

SECTION 01 : CHEMICAL PRODUCT and COMPANY IDENTIFICATION

MANUFACTURER : Same as above
 PREPARED BY : Production Department
 TELEPHONE NO. : (519) 902 6227
 EMERGENCY PHONE NUMBER : As above or call CANUTEC (613) 996 6666
 MATERIAL USE : Please refer to technical literature

SECTION 02 : HAZARDS IDENTIFICATION

GHS Classification: This product is classified as:

Acute toxicity, Category 4, Oral / Skin corrosion, Category 1 B /Serious eye damage, Category 1

LABEL Information:



DANGER

Causes severe skin burns and eye damage. Harmful if swallowed.

Precautions: Wash hands thoroughly after handling. Do not eat drink or smoke when using this product. Wear eye/face protection, protective gloves and protective clothing. Do not breath dusts or mists.

Response: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

IF ON SKIN: Immediately, take off all contaminated clothing and wash before reuse. Rinse skin with water /shower. For severe irritation apply calcium gluconate gel to skin.

IF INHALED: Remove victim to fresh air and keep at rest in a position for comfortable breathing.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately give to drink plenty of water, add calcium (in the form of calcium gluconate or calcium lactate) Get immediate medical attention.

Store locked up. Dispose of containers/contents in accordance with local regulations.

SECTION 03 : COMPOSITION / INFORMATION on HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CONC. APPROX.%(WT>)	C.A.S #
Phosphate Ester Surfactant	1 - 5	65585-36-4
Dipropylene Glycol Methyl Ether	1 - 5	34590-94-8
Ammonium Bifluoride	7 - 13	1341-49-7

Any concentration shown as a range is due to batch variation or is to protect confidentiality.

SECTION 04 : FIRST AID MEASURES

INSTRUCTIONS: **For contact with skin,** rinse with plenty of water. For severe irritation apply calcium gluconate gel to skin. Remove and wash contaminated clothing. If the irritation persists, seek medical attention.

For eye contact, flush eyes with large amounts of water. If irritation or visual defect persists seek medical attention.

If ingested, do not induce vomiting; Immediately give to drink plenty of water, add calcium (in the form of calcium gluconate or calcium lactate)seek immediate medical attention.

In case of inhalation of mist, remove to fresh air. If discomfort or irritation seek medical attention.

PRIMARY SYMPTOMS /ROUTE OF ENTRY:

SKIN CONTACT

Dilute solutions may cause irritation. Concentrate may cause severe irritation or burns if not rinsed promptly.

EYE CONTACT

Causes severe irritation or burns to eyes

INHALATION

Mists may cause irritation of nasal passages and respiratory tract

INGESTION

May cause gastrointestinal discomfort or more harmful effects. Flouride content may increase toxicity.

SECTION 05: FIRE AND EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABILITY: NO
 IF YES , UNDER WHICH CONDITIONS:
 EXTINGUISHING MEDIA: N.Ap.
 SPECIAL PROCEDURES: N.Ap.
 HAZARDOUS COMBUSTION PRODUCTS: Fluorine compounds, if this product is released into a fire.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NIL
 SENSITIVITY TO MECHANICAL IMPACT: NIL SENSITIVITY TO STATIC DISCHARGE: NIL

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURE: For small quantities use absorbents or flush with water if permissible according to local regulations. For large spill, contain the spill so as to prevent runoff into sewage system. Recover as much as possible using any convenient means. Neutralize using VYTAC ACX or other suitable material.

SECTION 07 HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Avoid contact with skin, eyes and clothing. Keep container closed when not in use.
 STORAGE REQUIREMENTS: Store at room temperature. Keep from freezing.

SECTION 08 PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES / TYPE: Chemical resistant
 RESPIRATOR / TYPE: Acid Mist filter APR if spraying.
 EYE / TYPE: Goggles, especially if spraying
 CLOTHING /TYPE: Protective gear recommended when spraying
 OTHER / TYPE: Have access to eye bath and safety shower
 ENGINEERING CONTROLS: General ventilation is normally adequate.
 CONTROL PARAMETERS: N.Av.

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE / APPEARANCE: Clear pink liquid ODOUR: mildly acidic
 ODOUR THRESHOLD: Not available SPECIFIC GRAVITY : 1.03
 VAPOUR PRESSURE (mm Hg @ 20C): 17.4 VAPOUR DENSITY (Air = 1) : < 1
 EVAPORATION RATE (WATER = 1) : < 1 FREEZING POINT (C): 0
 BOILING POINT INIT / RANGE (C): >100 / N.Av. SOLUBILITY IN WATER (% WW): 100
 pH (% SOLUTION): ~ 3 (pure) % VOLATILE (WT): 85
 FLASH POINT (C): N.Ap. FLAMMABILITY: Nil
 LEL / UEL LIMITS (% by vol): LEL: N.Ap. UEL : DECOMPOSITION TEMP (C): N.Ap.
 AUTO IGNITION TEMP(C): N.Ap. VISCOSITY: ~ water
 PARTITION COEFF. n-octanol/water: N.Av.

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE: Yes
 IF NO, UNDER WHICH CONDITIONS? :
 INCOMPATIBILITY WITH OTHER SUBSTANCES : Yes
 IF YES, WITH WHICH ONES? : alkaline materials, hypochlorite
 SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS: May react with metals, and mineral surfaces. Can etch glass
 HAZARDOUS DECOMPOSITION PRODUCTS: None
 SENSITIVITY TO SHOCK or STATIC DISCHARGE: None

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL : See section 08
 LC 50 OF MATERIAL, SPECIES AND ROUTE : N.Av.
 LD 50 OF MATERIAL, SPECIES AND ROUTE : 1.02 gr/ kg ATE mix Rat oral
 CARCINOGENICITY OF MATERIAL: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, NTP, ACGIH
 OTHER TOXIC EFFECTS : No data available to indicate product or any components present at greater than 0.1% are mutagenic or teratogenic or have reproductive effects.
 PRIMARY SYMPTOMS /ROUTE OF ENTRY:
 SKIN CONTACT Dilute solutions may cause irritation. Concentrate may cause severe irritation or burns if not rinsed promptly.
 EYE CONTACT Causes severe irritation or burns to eyes
 INHALATION Mists may cause irritation of nasal passages and respiratory tract
 INGESTION May cause gastrointestinal discomfort or more harmful effects Flouride content may increase toxicity.
 SENSITIZING CAPABILITY OF MATERIAL : N.Av.
 SYNERGISTIC MATERIALS : N.Av.

SECTION 12: ECOLOGICAL CONSIDERATIONS

ECOTOXICITY: N.Av.
PERSISTANCE & DEGRADABILITY: All components are readily biodegradable.
BIOACCUMULATIVE POTENTIAL: Anticipated to be low
MOBILITY IN SOIL: N.Av.
OTHER ADVERSE EFFECTS: N.Av.
AQUATIC TOXICITY: N.Av.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL : In accordance with municipal, provincial and federal regulations

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION : Class 8 (4L Limited Quantity)
UN NUMBER : 3264 (Corrosive Liquid acidic, inorganic N.O.S. (Ammonium Bifluoride)
PACKING GROUP : III

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION: D1B/E GHS CLASSIFICATION: See section 2
HPR COMPLIANCE: This product has been classified in accordance with the hazard criteria of the GHS and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED : N.Av. = Not Available N.Ap. = Not applicable L(U)EL = Lower(Upper) explosion limit

PREPARATION DATE : 15 / 03 / 2018