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301 TWEEDSMUIR AVE LONDON ONTARIO N5W 1L5 CANADA

SECTION 01 : CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME : BUG PLUS

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 a skin irritant category 2 / serious eye damage category 1 / Acute toxicity category 5

LABEL Information:



DANGER

Causes serious eye damage. Causes skin irritation. May be harmful if swallowed.

Precautions: Wash hands thoroughly after handling. Wear eye / face protection and protective gloves.

Do not eat, drink or smoke when using this product.

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: Wash with plenty of soap and water. If skin irritation occurs get medical advice/attention.

Take off contaminated clothes and wash before reuse.

IF SWALLOWED: Rinse mouth. Get medical attention if you feel unwell.

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

SECTION 03 : COMPOSITION / INFORMATION on HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CONC. APPROX.% (WT.)	C.A.S #
Ethylene Glycol Monobutyl Ether	7 - 13	111-76-2 (Butyl Cellosolve)
Potassium Hydroxide	.5 - 1.5	1310-58-3
TetraPotassium Pyrophosphate	1 - 5	7320-34-5
Sodium Lauryl Ether Sulphate	5 - 10	9001-82-4
Ethanol	.5 - 1.5	64-17-5

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 water. Remove and wash contaminated clothing before reuse.
 For eye contact, flush eyes with large amounts of water for 15 minutes. If irritation persists seek medical attention.
 If ingested, give 2 glasses water; and do not induce vomiting; seek immediate medical attention.
 In case of inhalation of mist, remove to fresh air.

PRIMARY SYMPTOMS /ROUTE OF ENTRY:

SKIN CONTACT	May cause severe irritation
EYE CONTACT	May cause 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

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: N.Ap.
 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.

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: Mist filter APR if spraying.
 EYE / TYPE: Safety glasses or goggles
 CLOTHING /TYPE: Appropriate for the use environment
 OTHER / TYPE: Have access to eye bath and safety shower
 ENGINEERING CONTROLS: General ventilation is normally adequate.
 CONTROL PARAMETERS: Butyl Cellosolve US OSHA PEL 50 ppm / 240 mg per m3

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE / APPEARANCE: Clear purple liquid	ODOUR: Mild glycol ether
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 (% W/W): 100
pH (% SOLUTION): 12.8 (pure)	% VOLATILE (WT): 88
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? : Acidic materials.
 SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS: N.Av.
 HAZARDOUS DECOMPOSITION PRODUCTS: None
 SENSITIVITY TO SHOCK or STATIC DISCHARGE: None

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL : Butyl Cellosolve US OSHA PEL 50 ppm / 240 mg per m3
 LC 50 OF MATERIAL, SPECIES AND ROUTE : Butyl Cellosolve > 4.9 mg / L (rat)
 LD 50 OF MATERIAL, SPECIES AND ROUTE : 4.3 gm / kg (Rat) ATEmix
 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
 REPRODUCTIVE EFFECTS : No data available to indicate product or any components present at greater than 0.1% are mutagenic. Butyl cellosolve has been shown have reproductive effects in mice at 720mg / Kg levels. OECD 416.
 PRIMARY SYMPTOMS /ROUTE OF ENTRY:
 SKIN CONTACT May cause severe irritation
 EYE CONTACT May cause severe irritation or burns
 INHALATION Mists may cause irritation of nasal passages and respiratory tract
 INGESTION May cause gastrointestinal discomfort or more harmful effects
 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: Product LC50 for fish > 100 mg/ L

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION : NOT REGULATED
UN NUMBER :
PACKING GROUP :

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B GHS CLASSIFICATION: See section 2
CPR 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