

**PRODUCT: PROPANEDIOL 1,3****SECTION 01: IDENTIFICATION**

SUPPLIER INFORMATION.....YELLOWBEE PACKAGING AND SUPPLIES INC
#106, 2880 107 AVE SE
CALGARY, ALBERTA T2Z3R7 CANADA
 PRODUCT NAME.....PROPANEDIOL
 MATERIAL USE.....Cosmetic applications. Personal care applications. For professional users only.
 PRODUCT USE AND RESTRICTION ON USE Personal Care.
 CHEMICAL FAMILY.....Propanediol.
 SYNONYMS
 PHONE NUMBER:.....587-352-3929

SECTION 02: HAZARD IDENTIFICATION

Hazard Classification.....It may form combustible dust concentrations in the air (during processing and handling).
 Product dust may cause mild, mechanical irritation.
 Hazard Statements.....This product IS classified as hazardous according to 29 CFR 1910.1200 (known as HCS 2012), amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Depending on the intended use, this product is classified as hazardous according to the criteria contained in the Hazardous Products Regulations (SOR/2015-17), also known as WHMIS 2015.
 Precautionary Statements.....See section 8 of the safety data sheet.
 Response.....See section 4 of the safety data sheet.
 Storage.....See section 7 of the safety data sheet.
 Other Hazards.....None known.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Not a WHMIS controlled product	N/Av	

SECTION 04: FIRST-AID MEASURES

EYE.....Immediately hold eyelids open and flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention.
 SKIN.....Not expected to present a significant skin hazard under anticipated conditions of normal use.
 INHALATION.....No specific procedures are expected to be required.
 INGESTION.....No specific procedures are expected to be required.

SECTION 05: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA.....All extinguishing media can be used, therefore use suitable media appropriate for the surrounding fire.
 Chemical Hazards From Fire:.....Exposure to decomposition products may cause a health hazard.
 Special hazards arising from the substance or mixture Not available.
 SPECIAL FIRE FIGHTING PROCEDURES Fight fire from upwind position if possible. Firefighters should wear protective equipment as required.

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAKS AND SPILLS.....Absorb with an inert material and place in a chemical waste container. Do not allow product to enter sewers or waterways. For larger spills, dike area and pump into waste containers. Wear protective clothing during cleanup.

PRODUCT: PROPANEDIOL 1,3**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES.....Use good industrial hygiene practices in handling this material.
 STORAGE NEEDS.....Keep away from heat, sparks and flame. Store in a cool, dry, well-ventilated area.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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APPROPRIATE ENGINEERING CONTROLS.....Use under well-ventilated conditions.
 PROTECTIVE EQUIPMENT
 EYE/TYPE.....Safety glasses with side shields.
 RESPIRATORY/TYPE.....Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
 GLOVES/ TYPE.....Use chemical resistant, impervious gloves.
 Exposure Limits.....Chemical apron.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....Transparent. Liquid.
 ODOUR.....Slight odour.
 Color & Appearance.....White.
 pH (3%).....Not available.
 MELTING / FREEZING POINT (°C).....24.6 C.
 INITIAL BOILING POINT AND BOILING RANGE (°C).....214 C.
 FLASH POINT (°C), METHOD.....129 C.
 EVAPORATION RATE.....Not available.
 FLAMMABILITY (SOLIDS / GAS).....Class IIIB.
 UPPER FLAMMABLE LIMIT (% VOL).....Not available.
 LOWER FLAMMABLE LIMIT (% VOL).....Not Available.
 VAPOUR PRESSURE (mm Hg).....0.1067 hPa @20 C. 0.58 hPa @25 C. 13.0656 @100 C.
 RELATIVE DENSITY.....Not available.
 SOLUBILITY.....> 1000 g/l.
 COEFFICIENT OF WATER/OIL.....Not available.
 DISTRIBUTION
 IGNITION TEMPERATURE (°C).....380 °C (grainsize: 80 % < 32 µm).
 VISCOSITY.....52 mPa.s @20 C.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY.....No data.
 CHEMICAL STABILITY.....Stable under normal temperature and pressures.
 POSSIBILITY OF HAZARDOUS REACTIONS.....Like most organic material in powder form, the product can form explosive dust-air mixtures when finely dispersed in air.
 INCOMPATIBLE MATERIALS.....Strong oxidizing agents. Strong acids.
 CONDITIONS TO AVOID INCLUDING.....Temperatures >129 C.
 STATIC DISCHARGE, SHOCK OR VIBRATION
 HAZARDOUS PRODUCTS OF DECOMPOSITION.....None under normal use.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
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Not a WHMIS controlled product

ROUTE OF ENTRY.....Eye contact. Skin contact. Inhalation. Ingestion.
 SKIN CONTACT.....Not expected to be a health hazard.
 EYE CONTACT.....Not expected to be a health hazard.
 INHALATION.....Not expected to be a health hazard.
 INGESTION.....Not expected to be a health hazard.
 CARCINOGENICITY.....No evidence of carcinogenic effects according to ACGIH or IARC.
 TERATOGENICITY.....Not available.
 MUTAGENICITY.....Not available.
 REPRODUCTIVE EFFECTS.....Not available.
 ACUTE TOXICITY ESTIMATE.....Not available.
 ASPIRATION TOXICITY.....Not a hazardous product.

PRODUCT: PROPANEDIOL 1,3**SECTION 11: TOXICOLOGICAL INFORMATION**

SINGLE TARGET ORGAN TOXICITY.....Not a hazardous product.
 REPEATED EXPOSURE TARGET.....Not a hazardous product.
 ORGAN TOXICITY
 SENSITIZATION.....Not a hazardous product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY DATA.....No data available.
 MOBILITY IN SOIL.....Not relevant.
 BIOACCUMULATION.....Not relevant.
 PERSISTENCE AND DEGRADABILITY.....Not relevant.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

SECTION 14: TRANSPORT INFORMATION

CLASSIFICATION.Domestic transport regulation (USA) DOT Not regulated.

SECTION 15: REGULATORY INFORMATION

CEPA STATUS.....Information not available.
 HAZARDOUS PRODUCTS.....This product has been classified in accordance with the hazard criteria of the Hazardous
 REGULATIONS Products Regulations and this document contains all the information required by the
 Hazardous Products Regulations.
 U.S. TSCA INVENTORY STATUS.....All components of this product are listed on the TSCA Chemical Substances Inventory or
 are exempt.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although YellowBee Packaging and Supplies Inc. believes the above information to be accurate based on the information available to YellowBee, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from YellowBee meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to YellowBee Packaging and Supplies Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

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