Hood Chemical
295 Alliance Road
Milton, Ontario, Canada L9T 4W8
(905) 876-0707

PRODUCT: Propylene Glycol - Industrial Grade **CODE: APG0492D**



Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER	ARCHER DANIELS MIDLAND 4666 Faries Parkway Decatur IL USA 62526
PRODUCT NAME	Propylene Glycol - Industrial Grade
PRODUCT CODE(S)	APG0492D
MATERIAL USE	Component of Coating or Paint.
PRODUCT USE	Industrial.
CHEMICAL FAMILY	Propylene Glycol.
SYNONYMS	
24 HOUR EMERGENCY NUMBER:	CALL Newalta Industrial Services 1-800-567-7455.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
Propylene Glycol	>99.5	Not Indicated	57-55-6	Oral Rat > 21,000 mg/kg. Dermal Rabbit 20,800 mg/kg	Not Indicated
Water	<0.5	Not Indicated	7732-18-5	Not Indicated	Not Indicated

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY	Eye contact. Skin contact. Inhalation. Ingestion.
EYE CONTACT	May cause eye irritation. Avoid eye contact.
SKIN CONTACT	May cause skin irritation. Avoid skin contact.
INGESTION	Do not ingest.
INHALATION	Avoid inhalation.
MEDICAL CONDITIONS AFFECTED BY EXPOSURE	None known.
SIGNS OF OVER EXPOSURE	No additional remark.

Section 04: FIRST AID MEASURES

SKIN CONTACT	Wash affected area immediately with large amounts of soap and water. If irritation develops or persists, seek medical attention.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention.
INHALATION	Move victim to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.
INGESTION	DO NOT induce vomiting. Rinse out mouth with water. If necessary, seek medical attention.
NOTES TO PHYSICIAN	No additional remark.

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (ºC), METHOD	99 C.
AUTO IGNITION TEMPERATURE (ºC)	371 C.
UPPER FLAMMABLE LIMIT (% VOL)	12.6.
LOWER FLAMMABLE LIMIT (% VOL)	2.6.
FLAMMABILITY	Class IIIB.
EXTINGUISHING MEDIA	Water fog, alcohol foam, carbon dioxide or dry chemical agents.
HAZARDOUS COMBUSTION PRODUCTS	Carbon dioxide. Carbon monoxide.
SENSITIVITY TO MECHANICAL IMPACT	Not sensitive.
SENSITIVITY TO STATIC DISCHARGE	Not sensitive.
UNUSUAL FIRE / EXPLOSION HAZARDS	Vapours may travel along ground and flashback along vapour trail.
SPECIAL FIRE FIGHTING PROCEDURES	Use water spray to cool containers. Firefighters should wear protective equipment as required.

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Section 06: ACCIDENTAL RELEASE MEASURES

LEAKS AND SPILLS	Clean contaminated area with water, contain with aborbent and place in a chemical waste container. Do not allow product to enter sewers or waterways. Flush area with detergent and water to remove final traces. For larger spills, dike area and pump into waste containers. Wear protective clothing during cleanup.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES	Avoid contact with eyes and skin. Avoid inhalation and ingestion. Wash skin thoroughly after handling and before eating or smoking. Use under well ventilated conditions. Use good industrial hygiene practices in handling this material.
STORAGE NEEDS	Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed. . Keep away from ignition sources: flames, pilot lights, electrical sparks, and sparking tools. Store in a cool, dry, well-ventilated area.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS	General ventillation is recommended.
PROTECTIVE EQUIPMENT	
EYE/TYPE	Safety goggles or glasses required.
RESPIRATORY/TYPE	NIOSH approved for acid, mists or vapour if present. Consult your supplier of personal protective equipment for additional instructions on proper usage for nuisance dust.
GLOVES/ TYPE	Wear protective gloves.
CLOTHING/TYPE	No special protective clothing is required.
FOOTWEAR/TYPE	No special footwear is required.
BODY/TYPE	No special protective clothing is required.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Colourless. Viscous liquid.
ODOUR	Low odour.
ODOUR THRESHOLD (ppm)	Not applicable.
VAPOUR PRESSURE (mm Hg)	0.08 mmHg. @ 20 C.
VAPOUR DENSITY (AIR=1)	2.6. (AIR = 1).
EVAPORATION RATE	< 0.01. (BuAc = 1).
BOILING POINT (ºC)	187 C.
MELTING POINT (ºC)	Not applicable.
pH	approx. 7.
SOLUBILITY IN WATER (% W/W)	Miscible.
COEFFICIENT OF WATER\OIL DISTRIBUTION	Not applicable.
FREEZING POINT (ºC)	-60 C.
SPECIFIC GRAVITY	1.04. @ 25 C.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION	Will not occur.
STABILITY	Stable.
INCOMPATIBILITY	Acids. Strong oxidizing agents. Bases.
CONDITIONS TO AVOID	Keep away from excessive heat or open flame. Ignition sources.
HAZARDOUS PRODUCTS OF DECOMPOSITION	Not available.

Section 11: TOXICOLOGICAL INFORMATION

TOXICITY EFFECTS ON ANIMALS	No additional remark.
TOXIC EFFECTS ON HUMANS	May cause mild skin irritation. May cause slight eye irritation. May cause slight respiratory irritation.
CHRONIC EFFECTS ON HUMANS	No specific information is available in our database regarding the other chronic toxic effects of this material for humans.
CARCINOGENICITY	No evidence of carcinogenic effects according to ACGIH or IARC.
TERATOGENICITY	No evidence of teratogen effects.
MUTAGENICITY	No evidence of mutagenic effects.
REPRODUCTIVE EFFECTS	No evidence of reproductive effects.

Section 12: ECOLOGICAL INFORMATION

ECOTOXICITY DATA	propylene Glycol - 96 hr LC50 (Oncorhynchus my kiss) 51,600 mg/L; 48 Hr EC50)DFaphnia magna) >10,000 mg/L; 96 hr EC50 (pseudokirchneriella subcapitata) 19,000 mg/L.
PRODUCTS OF DEGRADATION	No specific information is available in our database regarding the degradation of this product.
BIODEGRADABILITY	Readily biodegradable.

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Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... Not regulated under TDG (Canada).

Section 15: REGULATORY INFORMATION

CEPA STATUS..... All the ingredients are on the DSL list.
WHMIS CLASSIFICATION..... This is not a WHMIS controlled product.

Section 16: OTHER INFORMATION

REFERENCES..... Manufacturer's Material Safety Data Sheet.
TELEPHONE NUMBER:..... 905-876-0707.
PREPARED BY: ..... Regulatory Affairs
PREPARATION DATE: Apr27/11