




SAFETY DATA SHEET

1 – IDENTIFICATION

IDENTIFIER	AQUA FILM
PRODUCT CODE	LM01 / LM05 / LM15 / LM55
RECOMMENDED USE	Liquid overspray mask
RESTRICTIONS ON USE	None known.
SUPPLIER / MANUFACTURER	AUTO-CHEM INC 33 de Lyon Repentigny, QC J5Z 4Z3 450-654-9292 www.autochem.com
EMERGENCY TELEPHONE	CANUTEC 1-613-336-6666 (24 hours)

2 – HAZARD IDENTIFICATION

CLASSIFICATION	Eye irritation 2B Specific target organ toxicity, single exposure 3	
LABEL ELEMENTS		
SIGNAL WORD	WARNING	
HAZARD STATEMENT	H320 H336	Causes eye irritation. May cause drowsiness or dizziness.
PRECAUTIONARY STATEMENTS – PREVENTION	P264 P261 P271	Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
PRECAUTIONARY STATEMENTS – RESPONSE	P305+P351+P338 P337+P313 P304+P340 P312	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 INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P233 P405	Store in a well ventilated place. Keep container tightly closed. Store locked up.
PRECAUTIONARY STATEMENTS - ELIMINATION	P501	Dispose contents/containers according to municipal, provincial and federal regulations.
OTHER HAZARDS	Not applicable	

3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S	CONCENTRATION
Isopropanol	67-63-0	3 – 7
1, 2, 3-propanetriol	56-81-5	3 – 7
Partially hydrolysed polyvinyl alcohol	25213-24-5	3 – 7

4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
INHALATION	IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.
DERMAL	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
OCULAR	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.
ORAL	NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
NOTE TO PHYSICIAN	Specific treatment: treat symptomatically.

5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Carbon dioxide, water spray, according to the nature of the fire. Dry chemical powder or water can be used to cool containers.
UNSUITABLE EXTINGUISHING MEDIA	None.
SPECIFIC HAZARDS	Hazardous combustion materials: carbon oxides, acrolein.
PROTECTIVE EQUIPMENT	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
PRECAUTIONS	Do not let water run-off reach sewers, ditches or waterways.

6 – ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT	Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with product. Remove non-essential personnel.
CONTAINMENT AND CLEAN UP	Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.
ENVIRONMENTAL PRECAUTIONS	Avoid entering sewers, waterways or restricted areas. Eliminate according to municipal, provincial and federal regulations.

7 – HANDLING AND STORAGE

HANDLING	Containers must be identified correctly. Handle in a well ventilated area. Avoid breathing dust, vapours or mists. Avoid contact with eyes, skin and clothes. Keep containers closed when not in use. Empty containers may contain residues and must be handled as hazardous waste. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Wash contaminated clothing before reuse.
STORAGE	Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, strong acids.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Isopropanol	67-63-0	ACGIH ACGIH NIOSH NIOSH OSHA	TWA 200 ppm STEL 400 ppm TWA 400 ppm (980 mg/m ³) STEL 500 ppm (1255 mg/m ³) TWA 400 ppm (980 mg/m ³)
1, 2, 3-propanetriol	56-81-5	ACGIH OSHA	TWA 10 mg/m ³ TWA 10 mg/m ³
Partially hydrolysed polyvinyl alcohol	25213-24-5		No established limits.

ENGINEERING CONTROLS	Use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels to an acceptable level.
RESPIRATORY PROTECTION	Maintain atmospheric concentrations below exposure limits. If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.
PROTECTIVE EQUIPMENT AND CLOTHING	Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.
OCULAR PROTECTION	Chemical goggles; also wear a face shield if splashing hazard exists.
GENERAL HYGIENE RECOMMENDATIONS	Ensure that eyewash stations and safety showers are proximal to the work-station location. Avoid production of high concentrations of dust, vapours or mists. Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid, colourless
ODOUR	Alcohol
ODOUR TRESHOLD	Not available
pH	7 to 8

MELTING / FREEZING POINT	0°C
INITIAL BOILING POINT	Not available
FLASH POINT	Not available
EVAPORATION RATE	Not available
FLAMMABILITY	Non flammable
LOWER FLAMMABLE/EXPLOVISE LIMIT	Not applicable
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not applicable
VAPOUR PRESSURE	Not available
VAPOUR DENSITY	Not available
RELATIVE DENSITY	1.01
SOLUBILITY (in water)	Soluble
PARTITION COEFFICIENT (n-octanol/water)	Not available
AUTO-IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VOC (w/w)	< 6
VISCOSITY, spindle 1, 100 rpm	85 cps

10 – STABILITY AND REACTIVITY

REACTIVITY	Polymerization will not occur.
CHEMICAL STABILITY	Stable under recommended usage.
HAZARDOUS REACTIONS	None known.
CONDITIONS TO AVOID	Keep away from oxidizing agents, excessive heat, and ignition sources.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, acrolein.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	Exposure to high concentrations of vapours may cause irritation of the respiratory tract, headaches, dizziness, nausea, loss of coordination and depression of the central nervous system.
DERMAL	Not a skin irritant.
OCULAR	Direct eye contact may cause temporary discomfort with mild redness and dryness.
ORAL	Irritation of the upper gastro-intestinal tract. May cause nausea, headaches, dizziness, fatigue, depression of the central nervous system.
CHRONIC EFFECTS	
INHALATION	None known.
DERMAL	None known.

OCULAR	None known.
ORAL	None known.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS	IARC group 3 Not classified as carcinogenic to humans.
MUTAGENIC EFFECTS	Not applicable.
TERATOGEN EFFECTS	Not applicable.
REPRODUCTION	Not applicable.
SENSIBILISATION	Not applicable.
TARGET ORGANS	Respiratory system.
SYNERGISTIC SUBSTANCES	None known.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION ppm/8hr
Isopropanol	67-63-0	>4710, rat	>12870, rabbit	12000 ppm, rat
1, 2, 3-propanetriol	56-81-5	2000, rat	>21900, rat	No data.
Partially hydrolysed polyvinyl alcohol	25213-24-5	11000, rat	No data.	No data.

12 – ECOLOGICAL INFORMATION

Isopropanol	67-63-0
LC50 11130 mg/L, 96 hrs static	Pimephales promelas
LC50 9640 mg/L, 96 hrs, flow-through	Pimephales promelas
LC50 1400 mg/L, 96 hrs	Lepomis macrochirus
EC50 1000 mg/L, 72 hrs	Desmodesmus subspicatus
EC50 1000 mg/L, 96 hrs	Desmodesmus subspicatus

1, 2, 3-propanetriol	56-81-5
LC50 51000 - 57000 mg/L, 96 hrs	Oncorhynchus mykiss
EC50 >500 mg/L, 24 hrs	Daphnia magna

Partially hydrolysed polyvinyl alcohol	25213-24-5
LC50 >10000 ppm, 96 hrs	Lepomis macrochirus
LC50 >40000 ppm, 96 hrs	Pimephales promelas

PERSISTENCE AND DEGRADABILITY	Not available
BIOACCUMULATIVE POTENTIAL	Not available
SOIL MOBILITY	Not available
OTHER ADVERSE EFFECTS	Not available
ADDITIONAL INFORMATION	Do not let material or fire-fighting water run-off enter sewers or waterways. Obstruct drains and ditches. Affected areas must be cleaned and restored to their original conditions or to the satisfaction of the authorities

13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
CONTAMINATED PACKAGING	Empty containers should be recycled or disposed of through an approved waste management facility.

14 – TRANSPORT INFORMATION

TRANSPORT OF DANGEROUS GOODS (CANADA)
Not regulated.

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	None.

15 – REGULATORY INFORMATION

CEPA	All components of this product are either listed or exempt from listing on the Domestic substances List (DSL).
TSCA	All components of this product are either listed or exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.

16 – OTHER INFORMATION

VERSION	1.0
DATE	August 27, 2015
PREPARED BY	AUTO-CHEM INC
ABBREVIATIONS	ABBREVIATIONS
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CL / LC	Concentration létale / Lethal concentration
DL / LD	Dose létale / Lethal dose
CE / EC	Concentration efficace / Effective concentration
IARC	International Agency for Research on Cancer
LCPE	Loi Canadienne sur la Protection de l'Environnement
LES/NDSL	Liste extérieure des substances / Non domestic substances list
LIS/DSL	Liste intérieure des substances / Domestic substances list
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
SIMDUT	Système d'information sur les matières dangereuses utilisées au travail
STEL	Short-term Exposure Limit

STOT	Specific target organ toxicity
TCOC	Toxicité pour certains organes cibles
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
VECD	Valeur exposition courte durée
VEMP	Valeur exposition moyenne pondérée
WHMIS	Workplace Hazardous Materials Information System
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