SAFETY DATA SHEET

1 – IDENTIFICATION

IDENTIFIER	Hybride Ceramic Wax
PRODUCT CODE	610-01, 610-016
RECOMMENDED USE	Automotive body protector
RESTRICTIONS ON USE	Do not mix with other products.
SUPPLIER / MANUFACTURER	AUTO-CHEM INC 33 de Lyon Repentigny, QC J5Z 4Z3 450-654-9292 www.autochem.com
EMERGENCY TELEPHONE	CANUTEC 1-613-996-6666 (24 hours)

2 – HAZARD IDENTIFICATION

CLASSIFICATION	Eye damage 1 Reproductive toxicity 1B	
LABEL ELEMENTS		
SIGNAL WORD	DANGER	
HAZARD STATEMENT	H360 H318	May damage fertility or the unborn child. Causes serious eye damage.
PRECAUTIONARY STATEMENTS – PREVENTION	P202 P280	Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection.
PRECAUTIONARY STATEMENTS – RESPONSE	P305+P351+P338 P308+P313 P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice Immediately call a doctor.
PRECAUTIONARY STATEMENTS – STORAGE	P405	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
Quaternium-80	134737-05-6	1 – 5 *
(3-[2-(aminoethyl)amino]propyl methyl)-dimethylsiloxane copolymer	71750-79-3	1 – 5 *
1-methoxy-2-propanol	107-98-2	1 – 5 *

* TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Ocular, Oral

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.
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 as chemical burns.

5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use an extinguishing agent suitable for the surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may cause formation of foam.
SPECIFIC HAZARDS	Carbon oxides, nitrogen oxides, silica oxides, acrid smoke.
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 RELASE 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	Acids, strong oxidizing agents.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
1-methoxy-2-propanol	107-98-2	ACGIH ACGIH CNESST CNESST NIOSH NIOSH OSHA OSHA	TWA 50 ppm STEL 100 ppm TWA 100 ppm (369 mg/m3) STEL 150 ppm (553 mg/m3) TWA 100 ppm (360 mg/m3) STEL 150 ppm (540 mg/m3) TWA 100 ppm (360 mg/m3) STEL 150 ppm (540 mg/m3)
(3-[2-(aminoethyl)amino]propyl methyl)-dimethylsiloxane copolymer	71750-79-3		No established value
Quaternium-80	134737-05-6		No established value

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	Yellow liquid, opaque.
ODOUR	Banana.
ODOUR TRESHOLD	Not available.
pH	6.34
FREEZING POINT	< 4°c
INITIAL BOILING POINT	100°c.
FLASH POINT	Sans objet
EVAPORATION RATE	Non disponible.
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	1.00
SOLUBILITY (in water)	Yes
PARTITION COEFFICIENT (n-octanol/water)	Not determined.
AUTO-IGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not determined
VOC	Not determined
VISCOSITY	7 cPs

10 – STABILITY AND REACTIVITY

REACTIVITY	Stable under recommended usage.
CHEMICAL STABILITY	Stable under normal usage conditions.
HAZARDOUS REACTIONS	Polymerization will not occur.
CONDITIONS TO AVOID	Freezing, incompatible materials.
INCOMPATIBLE MATERIALS	Acids, strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, nitrogen oxides, silica oxides.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	No data.
DERMAL	No data.
OCULAR	No data.
ORAL	No data.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	No data.

OCULAR	No data.
ORAL	No data.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS (IARC)	No data.
MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	No data.
REPRODUCTION	No data.
SENSIBILISATION	No data.
TARGET ORGANS	No data.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

Product	ETA
Oral	5000 mg/kg < (estimated)
Dermal	5000 mg/kg < (estimated)

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Quaternium-80	134737-05-6	>5000, rat	>3000, rabbit	No data
(3-[2-(aminoethyl)amino]propyl methyl)-dimethylsiloxane copolymère	71750-79-3	>5000, rat	>2000, rabbit	>105 mg/L, 4h, rat
1-methoxy-2-propanol	107-98-2	4016, rat	>2000, rabbit	>25.8 mg/L, 6h, rat

12 – ECOLOGICAL INFORMATION

1-methoxy-2-propanol	107-98-2
LC50 6812 mg/L, 96h	Leuciscus idus
LC50 >1000 mg/L, 96h	Oncorhynchus mykiss
LC50 20800 mg/L, 96h	Pimephales promelas
LC50 2100 – 25900 mg/L, 48h	Daphnia magna
ErC50 >1000 mg/L, 7j	Pseudokirchneriella subcapitata

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 for transport.

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	Avoid freezing.

15 – REGULATORY INFORMATION

CANADA	
CEPA	All components of this product are either listed or exempt from listing on the Domestic substances List (DSL).
USA	
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	2.1
DATE	September 20th 2021.
PREPARED BY	AUTO-CHEM INC
ABBREVIATIONS	
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CIRC	Centre International pour la Recherche sur le Cancer
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 organs 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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