




1 – IDENTIFICATION

IDENTIFIER	PAINT OFF
PRODUCT CODE	715-016, 715-01, 715-05
RECOMMENDED USE	Road paint remover.
RESTRICTIONS ON USE	Use only outdoors or in a well ventilated area.
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	Flammable liquid 2 Aspiration hazard 1 Sensitisation, skin 1 Eye irritation 2B Specific target organ exposure, single exposure; Respiratory tract irritation 3 Specific target organ exposure, single exposure; Narcotic effect 3 Toxic to the aquatic environment, acute hazard 1 Toxic to the aquatic environment, long-term hazard 1	
LABEL ELEMENTS		
SIGNAL WORD	DANGER	
HAZARD STATEMENT	H225 H304 H317 H320 H335 H336 H400 H410	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENTS – PREVENTION	P210 P233 P240 P241 P242	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools.

	P243 P280 P261 P272 P264 P271 P273	Take action to prevent static discharges. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment.
PRECAUTIONARY STATEMENTS – RESPONSE	P303+P361+P353 P370+P378 P301+P310 P331 P302+P352 P333+P313 P321 P362+P364 P305+P351+P338 P337+P313 P304+P340 P312 P391	IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water (or shower). In case of fire: Use chemical foam, CO2, chemical powder, water mist to extinguish. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment: Treat symptoms. Take off contaminated clothing and wash it before reuse. 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. Collect spillage.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P235 P405 P233	Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.
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
D-Limonene	5989-27-5	45 – 70 *
Ethyl alcohol	64-17-5	15 – 40 *
Isopropyl alcohol	67-63-0	1 – 5 *
Ethyl acetate	141-78-6	1 – 5 *

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

4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
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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	Use chemical foam, CO ₂ , chemical powder, water mist to extinguish.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may disperse the product.
SPECIFIC HAZARDS	Highly flammable vapours, may travel over ground and spread the fire. Carbon oxides, acrid smoke. Overheated containers may burst. Cool with water spray.
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 oxidants, acids, alkalis.
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8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
D-Limonene	5989-27-5	ACGIH OSHA	TWA 20 ppm TWA 50 ppm
Ethyl alcohol	64-17-5	CSST OSHA NIOSH NIOSH	TWA 1000 ppm (1880 mg/m ³) TWA 1000 ppm (1880 mg/m ³) TWA 1000 ppm (1880 mg/m ³) IDLH 3300 ppm
Isopropyl alcohol	67-63-0	ACGIH ACGIH OSHA OSHA NIOSH NIOSH NIOSH CSST CSST	TWA 200 ppm STEL 400 ppm TWA 400 ppm (980 mg/m ³) STEL 500 ppm (1225 mg/m ³) TWA 400 ppm (980 mg/m ³) STEL 500 ppm (1225 mg/m ³) IDLH 2000 ppm TWA 400 ppm (980 mg/m ³) STEL 500 ppm (1225 mg/m ³)
Ethyl acetate	141-78-6	CSST OSHA NIOSH NIOSH	TWA 400 ppm (1440 mg/m ³) TWA 400 ppm (1440 mg/m ³) TWA 400 ppm (1440 mg/m ³) IDLH 2000 ppm

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, transparent, colourless.
ODOUR	Citrus.
ODOUR TRESHOLD	Not available.

pH	Not applicable.
MELTING / FREEZING POINT	Not available.
INITIAL BOILING POINT	Not available.
FLASH POINT	12°C
EVAPORATION RATE	Not available.
FLAMMABILITY	Highly flammable liquid and vapour.
LOWER FLAMMABLE/EXPLOIVE LIMIT	Not available.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not available.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	0.83
SOLUBILITY (in water)	Not soluble.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	830 g/L (1.0 Kg/Kg)
VISCOSITY	< 50 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	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Incompatible materials.
INCOMPATIBLE MATERIALS	Strong oxidants, acids, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	May cause drowsiness or dizziness. Migraines, loss of consciousness. May cause respiratory irritation.
DERMAL	Causes skin irritation. Redness, itching, drying of the skin.
OCULAR	Causes eye irritation. Pain, redness, tearing, blurry vision.
ORAL	May be fatal if swallowed and enters airways. Gastric distress, nausea, vomiting.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	Drying of the skin, dermatitis.
OCULAR	No data.

ORAL	Causes damage to organs through repeated exposure or prolonged exposure: liver, blood.		
ADDITIONAL INFORMATION			
CARCINOGENIC EFFECTS (IARC)	D-Limonene	5989-27-5	Group 3: Not classifiable as to its carcinogenicity to humans.
	Isopropyl alcohol	67-63-0	Group 3: Not classifiable as to its carcinogenicity to humans.
MUTAGENIC EFFECTS	No data.		
TERATOGEN EFFECTS	No data.		
REPRODUCTION	No data.		
SENSIBILISATION	Sensitisation observed on human and animals.		
TARGET ORGANS	Eyes, skin, respiratory system, central nervous system, liver, blood.		
AGGRAVATED CONDITIONS	No data.		
SYNERGISTIC SUBSTANCES	No data.		

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
D-Limonene	5989-27-5	4400, rat	>5000, rabbit	No data.
Ethyl alcohol	64-17-5	13700, rat	15800, rabbit	30000 mg/L, 4h, rat
Isopropyl alcohol	67-63-0	5045, rat	12800, rabbit	16970 ppm, 4h, rat
Ethyl acetate	141-78-6	5620, rat	>18000, rabbit	19600 ppm, 4h, rat

12 – ECOLOGICAL INFORMATION

D-Limonene	5989-27-5
LC50 35 mg/L, 96h	Oncorhynchus mykiss
LC50 0.61 – 0.79 mg/L, 96h	Pimephales promelas
LC50 0.730 mg/L, 48h	Daphnia pulex
LC50 0.577 mg/L, 48h	Daphnia magna

Ethyl alcohol	64-17-5
LC50 > 10000 mg/L, 96h	Oncorhynchus mykiss
LC50 14200 mg/L, 96h	Pimephales promelas
NOEC 9.6 mg/L, 9 days	Daphnia magna
EC50 275 mg/L, 72h	Chlorella vulgaris

Isopropyl alcohol	67-63-0
LC50 9640 mg/L, 96h, dynamic	Pimephales promelas
LC50 11130 mg/L, 96h, static	Pimephales promelas

LC50 >140 mg/L, 96h	Lepomis macrochirus
EC50 >1000 mg/L, 96h	Desmodesmus subspicatus
EC50 >1000 mg/L, 72h	Desmodesmus subspicatus


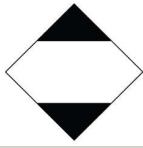
Ethyl acetate	141-78-6
LC50 350 – 600 mg/L, 96h	Oncorhynchus mykiss
LC50 220 – 250 mg/L, 96h	Pimephales promelas
ED50 2300 – 3090 mg/L, 24h	Daphnia magna
LC50 560 mg/L, 48h	Daphnia magna
EC50 4300 mg/L, 24h	Algae
EC50 1800 – 3200 mg/L, 72h	Selenastrum

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)				
UN NUMBER	PROPER SHIPPING NAME	CLASS	PACKING GROUP	PLACARD
UN1993	FLAMMABLE LIQUID N.O.S. (Ethyl alcohol, isopropyl alcohol)	3	II	
LIMITED QUANTITY: 1 L				
FLASH POINT		12°C		

MARINE POLLUTANT	Yes.
SPECIAL PRECAUTIONS	Avoid release to the environment.

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	1.0
DATE	2 November 2017
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
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 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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