



SAFETY DATA SHEET

1 – IDENTIFICATION

IDENTIFIER	STONE GUARD
PRODUCT CODE	940-032, 940-01, 940-05, 940-55
RECOMMENDED USE	Automotive gravel guard.
RESTRICTIONS ON USE	Professional use only.
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 Skin irritation 2 Severe eye damage 1 Specific target organ exposure, single exposure; Respiratory tract irritation 3 Specific target organ exposure, single exposure; Narcotic effect 3 Reproductive toxicity 2 Specific target organ exposure, repeated exposure 2	
LABEL ELEMENTS		
SIGNAL WORD	DANGER	
HAZARD STATEMENT	H225 H315 H318 H335 H336 H361 H373	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
PRECAUTIONARY STATEMENTS – PREVENTION	P201 P202 P210 P233 P240 P241	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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.

	P242 P243 P280 P264 P261 P271	Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves / protective clothing / eye protection / face protection. Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
PRECAUTIONARY STATEMENTS – RESPONSE	P370+P378 P302+P352 P321 P332+P313 P362+P364 P305+P351+P338 P310 P304+P340 P312 P308+P313 P314	In case of fire: Use foam, dry chemical powder, CO2, water spray to extinguish. IF ON SKIN: Wash with plenty of water. Specific treatment: If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P235 P233 P405	Store in a well-ventilated place. Keep cool. 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
Tertiary butyl acetate	540-88-5	30 – 60 *
Toluene	108-88-3	10 – 30 *
Methanol	67-56-1	0.1 – 1.0 *

* 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
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 foam, dry chemical powder, CO2, water spray to extinguish.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may cause dispersion of material and spread the fire.
SPECIFIC HAZARDS	Carbon oxides, nitrogen oxides, acrid smoke. Overheated containers may burst.
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. Cool containers with water spray.

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. 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. Take action to prevent static discharges. 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, acids, alkalis.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Tertiary butyl acetate	540-88-5	ACGIH NIOSH NIOSH OSHA CSST	TWA 200 ppm TWA 200 ppm (950 mg/m ³) IDLH 1500 ppm TWA 200 ppm (950 mg/m ³) TWA 200 ppm (950 mg/m ³)
Toluene	108-88-3	CSST NIOSH NIOSH NIOSH OSHA OSHA ACGIH	TWA 50 ppm (188 mg/m ³) TWA 100 ppm (375 mg/m ³) STEL 150 ppm (560 mg/m ³) IDLH 500 ppm TWA 200 ppm C 300 ppm TWA 20 ppm
Methanol	67-56-1	CSST CSST NIOSH NIOSH NIOSH OSHA	TWA 200 ppm (262 mg/m ³) STEL 250 ppm (328 mg/m ³) TWA 200 ppm (260 mg/m ³) STEL 250 ppm (325 mg/m ³) IDLH 6000 ppm TWA 200 ppm (260 mg/m ³)

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	Viscous liquid, black.
ODOUR	Solvent.
ODOUR TRESHOLD	Not available.
pH	Not available.
MELTING / FREEZING POINT	Not available.
INITIAL BOILING POINT	Not available.
FLASH POINT	4°C (estimate)
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	1.01
SOLUBILITY (in water)	Insoluble.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	430 g/L
VISCOSITY	> 2000 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	Ignition sources and heat. Incompatible materials.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, acids, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, nitrogen oxides.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS			
INHALATION	Irritation of the respiratory tract, headaches, dizziness, nausea, loss of coordination, loss of consciousness.		
DERMAL	Causes skin irritation. Redness, itching, dryness of the skin.		
OCULAR	Causes severe eye irritation. Pain, redness, tearing, may cause damage to the cornea.		
ORAL	Irritation of gastro-intestinal system. Nausea, vomiting.		
CHRONIC EFFECTS			
INHALATION	No data.		
DERMAL	No data.		
OCULAR	No data.		
ORAL	No data.		
ADDITIONAL INFORMATION			
CARCINOGENIC EFFECTS (IARC)	Toluene	108-88-3	Group 3: Not classifiable as to its carcinogenicity to humans.

MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	Teratogen in animals.
REPRODUCTION	Fetotoxic in animals.
SENSIBILISATION	No data.
TARGET ORGANS	No data.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Tertiary butyl acetate	540-88-5	4100, rat	>2000, rabbit	< 2230 mg/m ³ , 4h, rat
Toluene	108-88-3	5600, rat	12400, rabbit	8000 ppm, rat, 4h
Methanol	67-56-1	6200, rat	15800, rabbit	64000 ppm, 4h, rat

12 – ECOLOGICAL INFORMATION

Tertiary butyl acetate	540-88-5
LC50 240 mg/L, 96h	Oncorhynchus mykiss
LC50 296 - 362 mg/L, 96h	Pimephales promelas
EC50 350 mg/L, 48h	Daphnia magna
ECb50 6.1 mg/L, 72h	Pseudokirchneriella subcapitata
EC50 78 mg/L, 16h	Pseudomonas putida

Toluene	108-88-3
LC50 11.0 – 15.0 mg/L, 96h, static	Lepomis macrochirus
LC50 14.1 – 17.16 mg/L, 96h, static	Oncorhynchus mykiss
LC50 15.22 – 19.05 mg/L, 96h, dynamic	Pimephales promelas
LC50 5.89 – 7.81 mg/L, 96h, dynamic	Oncorhynchus mykiss
LC50 50.87 – 70.34 mg/L, 96 h, static	Poecilia reticulata
LC50 12.6 mg/L, 96 h, static	Pimephales promelas
LC50 28.2 mg/L, 96h, semi-static	Poecilia reticulata
LC50 5.8 mg/L, 96h, semi-static	Oncorhynchus mykiss
LC50 54 mg/L, 96h, static	Oryzias latipes
EC50 12.5 mg/L, 72h, static	Pseudokirchneriella subcapitata
EC50 433 mg/L, 96h	Pseudokirchneriella subcapitata

Methanol	67-56-1
LC50 13200 mg/L,	Oncorhynchus mykiss
LC50 28100 mg/L, 96h	Pimephales promelas
LC50 15400 mg/L, 96h	Lepomis macrochirus


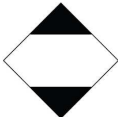
EC50 24500 mg/L, 48h	Daphnia magna
EC50 7.1 mg/L, 48h	Selenastrum capricornutum

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
UN1263	PAINTS	3	II	
LIMITED QUANTITY : 5 L				
FLASH POINT		4°C		

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	Keep away from sources of ignition and heat.

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

16 – OTHER INFORMATION

VERSION	2.0
DATE	4 October 2018
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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