



SAFETY DATA SHEET

1 – IDENTIFICATION

IDENTIFIER	TRUCK ALL
PRODUCT CODE	TCS-AC92-1, TCS-AC92-5, TCS-AC92-32, TCS-AC92-55
RECOMMENDED USE	Cleaner without rubbing.
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	<p>Acute toxicity, oral 4 Skin corrosion 1C Serious eye damage 1 Acute toxicity, inhalation 3 Specific target organ toxicity, single exposure; Respiratory tract irritation 3 Carcinogenicity 1 Hazardous to the aquatic environment, acute hazard 3 Hazardous to the aquatic environment, long-term hazard 4</p>	
LABEL ELEMENTS		
SIGNAL WORD	DANGER	
HAZARD STATEMENT	<p>H302 H314 H318 H331 H335 H350 H402 H413</p>	<p>Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic if inhaled. May cause respiratory irritation. May cause cancer. Harmful to aquatic life. May cause long lasting effects harmful to aquatic life.</p>
PRECAUTIONARY STATEMENTS – PREVENTION	<p>P264 P270 P260 P280</p>	<p>Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.</p>

	P261 P271 P201 P202 P273	Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment.
PRECAUTIONARY STATEMENTS – RESPONSE	P301+P312 P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338 P304+P340 P308+P313	IF SWALLOWED: immediately call a POISON CENTER/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment: Treat as chemical burns. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention.
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
Sulphuric acid	7664-93-9	5 – 10 *
2-Butoxyethanol	111-76-2	3 – 7 *
Dipropylene glycol monobutyl ether	29911-28-2	3 – 7 *
Lauramine oxide	1643-20-5	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
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 as chemical burns. Inhalation may cause chemical pneumonia.

5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use any extinction method appropriate for surrounding materials. If water is used, it must be in large quantities as water spray, contact of product with water generates heat and solutions are corrosive.
UNSUITABLE EXTINGUISHING MEDIA	Do not disperse material with direct water jet.
SPECIFIC HAZARDS	Carbon oxides, sulphur oxides, nitrogen 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 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 reducing agents, alkalis, prolonged contact with some metals.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Sulphuric acid	7664-93-9	ACGIH	TLV 0.2 mg/m3

		OSHA NIOSH NIOSH CSST CSST	TWA 1 mg/m ³ TWA 1 mg/m ³ IDLH 15 mg/m ³ TWA 1 mg/m ³ STEL 3 mg/m ³
2-Butoxyethanol	111-76-2	ACGIH OSHA NIOSH NIOSH CSST CSST	TLV 0.2 mg/m ³ TWA 1 mg/m ³ TWA 1 mg/m ³ IDLH 15 mg/m ³ TWA 1 mg/m ³ STEL 3 mg/m ³
Dipropylene glycol monobutyl ether	29911-28-2	DOW CHEMICAL	TWA 10 mg/m ³
Lauramine oxide	1643-20-5		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	Transparent liquid, blue.
ODOUR	Acrid.
ODOUR TRESHOLD	Not available.
pH	1.90
MELTING / FREEZING POINT	Not available.
INITIAL BOILING POINT	100°C
FLASH POINT	Not applicable.
EVAPORATION RATE	Not available.
FLAMMABILITY	Not flammable.
LOWER FLAMMABLE/EXPLOVISE LIMIT	Not applicable.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not applicable.
VAPOUR PRESSURE	Not available.

VAPOUR DENSITY	Not available.
RELATIVE DENSITY	1.05
SOLUBILITY (in water)	Soluble.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	105 g/L (0.10 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	Incompatible materials, freezing.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, strong reducing agents, alkalis, prolonged contact with some metals.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, sulphur oxides, nitrogen oxides.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS			
INHALATION	Can irritate the nose, throat and respiratory system. Symptoms can appear after several hours. Severe exposure can cause burns of the nose and throat, inflammation of the lungs and pulmonary oedema. Other toxic effects can appear.		
DERMAL	Liquid and vapour can cause burns which may not be immediately be painful or visible. The product can penetrate the skin and attack tissues and cause burns in case of prolonged contact.		
OCULAR	Liquid and vapour can cause an irritation or burn of the cornea.		
ORAL	Ingestion can cause severe burns of the mouth, throat and stomach and can be fatal.		
CHRONIC EFFECTS			
INHALATION	Irritation of respiratory tract.		
DERMAL	Contact with a dilute solution may cause burns.		
OCULAR	Eye irritation.		
ORAL	No data.		
ADDITIONAL INFORMATION			
CARCINOGENIC EFFECTS (IARC)	Sulphuric acid	7664-93-9	Group 1: Carcinogenic to humans.
	2-Butoxyethanol	111-76-2	Group 3: Not classifiable as to its carcinogenicity to humans.

MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	No data.
REPRODUCTION	No data.
SENSIBILISATION	No data.
TARGET ORGANS	Larynx, lungs, eyes, skin.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Sulphuric acid	7664-93-9	2140, rat	No data.	510 mg/m ³ , 2h, rat
2-Butoxyethanol	111-76-2	560, rat	400, rabbit	450 ppm. 4 h, rat
Dipropylene glycol monobutyl ether	29911-28-2	3700, rat	5330, rabbit	>2.04 mg/L, 4h, rat
Lauramine oxide	1643-20-5	1065, rat	> 2000, rabbit	No data

12 – ECOLOGICAL INFORMATION

Sulphuric acid	7664-93-9
LC50 42 mg/L, 96h	Gambusia affinis
EC50 29 mg/L, 24h	Daphnia magna
LC50 10.5 ppm, 96h	Lempmis macrochirus

2-Butoxyethanol	111-76-2
LC50 1490 mg/L, 96h, static	Lepomis macrochirus
LC50 2950 mg/L, 96h	Lepomis macrochirus
LC50 1474 mg/L, 96 h, static	Oncorhynchus mykiss
EC50 1800 mg/L, 48 h, static	Daphnia magna
EC50 977 mg/L, 72 h, static	Pseudokirchneriella subcapitata

Dipropylene glycol monobutyl ether	29911-28-2
LC50 841 mg/L, 96h	Poecilia reticulata
LC50 >1000 mg/L	Daphnia magna

Lauramine oxide	1643-20-5
LC50 31.8 mg/L, 96h	Danio rerio
EC50 3.9 mg/L, 48h	Daphnia magna
EC50 0.2 mg/L, 72h	Pseudokirchneriella subcapitata


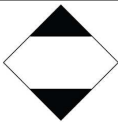
PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.

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)				
UN NUMBER	PROPER SHIPPING NAME	CLASS	PACKING GROUP	PLACARD
UN1760	CORROSIVE LIQUID N.O.S. (Sulphuric acid)	8	II	
LIMITED QUANTITY : 1 L				
FLASH POINT		Not applicable.		

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	2.0
DATE	2 May 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/NDL	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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