




SAFETY DATA SHEET

1 – IDENTIFICATION

IDENTIFIER	ALU BUFF
PRODUCT CODE	V3207
RECOMMENDED USE	Aluminum and chrome polish
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 1-613-996-6666 (24 hours)

2 – HAZARD IDENTIFICATION

CLASSIFICATION	Flammable liquids 3 Skin irritation 3 Eye irritation 2B Aspiration hazard 1 Specific target organ toxicity Single exposure 3 : Narcotic effect Specific target organ toxicity Single exposure 3 : Respiratory tract irritation Hazardous to the aquatic environment, long-term hazard 2	
LABEL ELEMENTS		
SIGNAL WORD	DANGER	
HAZARD STATEMENT	H226 H304 H316 H320 H335 H336 H411	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes mild skin irritation. Causes eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENTS – PREVENTION	P210 P233 P240 P241 P242 P243 P264	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep containers tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Wash hands thoroughly after handling.

	P261 P271 P280 P273	Avoid breathing dust, fume, gas, mist, vapours, and spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection. Avoid release to the environment.
PRECAUTIONARY STATEMENTS – RESPONSE	P301+P310 P331 P305+P351+P338 P337+P313 P303+P361+P353 P332+P313 P304+P340 P312 P370+P378 P391	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. 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 ON SKIN: Take off immediately all contaminated clothing Rinse skin with water or shower. If skin irritation occurs: 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. In case of fire: Use water jet to extinguish. Collect spillage.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P235 P405	Store in a well-ventilated place. Keep cool. 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
Solvent naphtha petroleum, medium aliphatic C9-C12	64742-88-7	45 – 70 *
Distillates (petroleum), hydrotreated light (C9-C16)	64742-47-8	3 – 7 *

* 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	Large fire: water spray, fog or regular foam. Small fire: dry chemical, CO2, water spray or regular foam.
UNSUITABLE EXTINGUISHING MEDIA	No data.
SPECIFIC HAZARDS	Heat builds up pressure in closed containers. Cool with water stream. Hazardous combustion products: carbon oxides, acrid smoke, irritating fumes.
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	Keep away from heat, sparks and flame. Do not smoke. Vapours of this material are heavier than air and will collect in low or confined area. Do not cut, drill, grind, weld or perform similar operations near container. Static electricity may accumulate and create a fire hazard. Take precautionary measures against static charges. Bond and ground all transfer containers and equipment. Ground fixed equipment. 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, away from heat and ignition sources. Keep cool. Store away from incompatible materials. Keep containers closed.
INCOMPATIBLE MATERIALS	Acids, alkalis, strong oxidizing agents.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Solvent naphtha petroleum, medium aliphatic C9-C12	64742-88-7	ACGIH OSHA	TWA 100 ppm TWA 100 ppm
Distillates (petroleum), hydrotreated light (C9-C16)	64742-47-8	ACGIH	TWA 1200 mg/m ³ , 197 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	Opaque grey liquid, clear floating liquid.
ODOUR	Solvent.
ODOUR TRESHOLD	Not available.
pH (10% in water)	7.22
MELTING / FREEZING POINT	Not available.
INITIAL BOILING POINT	Not available.
FLASH POINT	42°C
EVAPORATION RATE	Not available.
FLAMMABILITY	Flammable.
LOWER FLAMMABLE/EXPLOVISE LIMIT	1%
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not available.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	0.923
SOLUBILITY (in water)	Not soluble
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	605.49 g/L (0.6568 kg/kg)

VISCOSITY Spindle 1, 100 rpm	Mixture: 23.5 cps Clear liquid: 8 cps
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10 – STABILITY AND REACTIVITY

REACTIVITY	Stable under recommended usage.
CHEMICAL STABILITY	Stable under normal usage conditions.
HAZARDOUS REACTIONS	No polymerization.
CONDITIONS TO AVOID	Heat, ignition sources, incompatible materials.
INCOMPATIBLE MATERIALS	Acids, alkalis, strong oxidants.
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
DERMAL	Causes skin irritation.
OCULAR	Causes eye irritation.
ORAL	Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of the material will cause severe lung injury, chemical pneumonitis, pulmonary oedema or death.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	No data.
OCULAR	No data.
ORAL	No data.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS (IARC)	Not classified.
MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	No data.
REPRODUCTION	No data.
SENSIBILISATION	No data.
TARGET ORGANS	Respiratory tract.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION mg/L/4hr
Solvent naphtha petroleum, medium aliphatic C9-C12	64742-88-7	>6216, rat	>3108, rat	>14.1 mg/L, 4h, rat

Distillates (petroleum), hydrotreated light (C9-C16)	64742-47-8	>5000, rat	>2000, rabbit	No data.
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12 – ECOLOGICAL INFORMATION

Solvent naphtha petroleum, medium aliphatic C9-C12	64742-88-7
LC50 2.5 mg/L, 96 h	Oncorhynchus mykiss
EC50 1.4 mg/L, 48 h	Daphnia magna
EC50 1 – 3 mg/L, 72 h	Pseudokirchneriella subcapitata

Distillates (petroleum), hydrotreated light (C9-C16)	64742-47-8
LC50 2.2 mg/L, 96 h, static	Lepomis macrochirus
LC50 2.4 mg/L, 96 h, static	Oncorhynchus mykiss
LC50 45 mg/L, 96 h, flow-through	Pimephales promelas

PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.
SOIL MOBILITY	Not available.
OTHER ADVERSE EFFECTS	Toxic to aquatic life with long lasting effects.
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
1993	FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS)	3	III	
LIMITED QUANTITY: 5 KG or 5 L				

FLASH POINT :	42°C
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MARINE POLLUTANT	Potential marine pollutant.
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	September 3 rd 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
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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