



MATERIAL SAFETY DATA SHEET
620-032 / 621-01

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification : 620-032 / 621-01
Product name : Liquid Buff
Synonyms : Extra fine liquid compound
Chemical family : Mixture
Supplier / Manufacturer : Auto-Chem Inc.
33 de Lyon
Repentigny, QC, Canada
J5Z 4Z3
Tel : 450-654-9292
Fax : 450-654-0633
www.autochem.com
Contact : Jean Dagenais

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Percentage	Exposure limits
Aliphatic Naphtha	64742-88-7	10 – 30	LD50 >6216 mg/kg, rat, oral LD50 >3108 mg/kg, rat, dermal LC50 > 1401 mg/l, 4hrs, rat TLV TWA 1000 ppm, ACGIH
Coconut oil	8001-31-8	1 – 5	No data.
Oleic acid	112-80-1	1 – 5	LD50 25000 mg/kg, rat, oral LD50 28000 mg/kg, mouse, oral
Morpholine	110-91-8	1 – 5	LD50 1910 mg/kg, rat, oral LD50 500 mg/kg, rabbit, dermal LC50 1958 ppm 4hrs, mouse TLV TWA 16 mg/m3
Silice	1317-95-9	10 – 30	TLV TWA 0.1 mg/m3, ACGIH PEL TWA 0.1 mg/m3, OSHA
Quartz	14808-60-7	5 – 10	PEL TWA 0.1 mg/m3, OSHA TLV TWA 0.1 mg/m3, ACGIH
1,2,3-Propanetriol	56-81-5	1 – 5	LD50 >2000 mg/kg, rat, oral TLV TWA 10 mg/m3, ACGIH
Mineral oil	8042-47-5	1 – 5	LD50 50000 mg/kg, rat, oral LD50 2000 mg/kg, rabbit, dermal

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Vapours are moderately irritating to the eyes.

Skin contact : Not a primary skin irritant after exposure of short duration.

Inhalation : Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.

Ingestion : Liquid when accidentally aspirated into lungs can cause a severe inflammation of the lungs.

Potential chronic health effects :

Eye contact : None known.

Skin contact : Dermatitis, may defat the skin, allergic reactions.

Inhalation : Prolonged or repeated inhalation can cause coughing, shortness of breath, dizziness and intoxication, nausea and central nervous system depression.

Ingestion : Harmful if swallowed.

Contains ingredients which have been classified as recognized or possible human carcinogens.

4. FIRST AID MEASURES

Eyes : Rinse immediately with water or saline solution 15 to 20 minutes by lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention.

Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. Obtain medical attention if symptoms develop. It is recommended to wash exposed areas with soap and water.

Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention. If discomfort occurs, obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash point : Non flammable.

Auto-ignition temperature : Not applicable.

Flammability limits – air (%) : LEL: UEL:

Extinguishing media : Carbon dioxide, water spray. Dry chemical foam water can be used to cool exposed containers.

Protective equipment : Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Hazardous combustion materials : Silicon oxides, carbon oxides, nitrous oxydes, formaldehydes.

Recommendations : Remove containers from area if safe to do so. Do not disperse with high pressure water jets. Dam water run-off. Cool containers with water.

Notes : Organic components can ignite once water has evaporated.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment.

Restrict access to spill area to qualified personnel. Insure to have adequate ventilation. Do not touch spilled product. Prevent product from entering sewers or waterways. Stop leak if safe to do so.

Small spill : Dam area if necessary. Pump (if possible) and store in appropriate container. Contain and absorb product with suitable absorbing material. Store residues in closed containers identified for elimination.

Large spill : Dam area if necessary. Pump (if possible) and store in appropriate container. Contain and absorb product with suitable absorbing material. Store residues in closed containers identified for elimination.

7. HANDLING AND STORAGE

Handling : So not breathe vapours or aerosols. Avoid contact with eyes or skin by wearing appropriate equipment. Avoid contact with incompatible materials. Wash after handling the product. Wash contaminated clothing before reuse. Empty containers may contain residue. Dispose according to existing regulations.

Storage : Store in a cool and dry area, well ventilated and away from incompatible materials. Prevent from freezing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : General ventilation is recommended.

Personal protection equipment for routine handling :

Eye : Safety glasses.

Skin : Long sleeves.

Gloves : Impervious gloves.

Inhalation : If needed, use a NIOSH/MSHA approved mask.

Personal protection equipment for spills :

Eyes : Safety glasses or goggles.

Skin : Long sleeves.

Gloves : Impervious gloves.

Inhalation : If needed, use a NIOSH/MSHA approved mask. If working in an enclosed space, an autonomous breathing mask is required.

Note : These precautions are for room temperature handling. Use at elevated temperatures of aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Opaque liquid.
Colour : Pale brown.
Odour : Solvent.
pH @ 1% : 8.16
Relative density (g/cm³) : 1.398
Boiling point : 100 C
Freezing point : 0 C
Vapour pressure : Not determined.
Volatiles (weight) : Not determined.
Solubility (water) : Dispersible.
VOC (%) : Not determined.
Viscosity : 93000 cps, Brookfield, Spindle 4, 1 RPM

10. STABILITY AND REACTIVITY

Chemical stability : Stable.

Hazardous polymerization : Will not occur.

Conditions to avoid : None known.

Materials to avoid : Alkalis, acids, strong oxidants.

formaldehydes. Dangerous decomposition products : Silicone oxides, carbon oxides, nitrous oxides,

11. TOXICOLOGICAL INFORMATION

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Inhalation : Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.

Ingestion : Liquid when accidentally aspirated into lungs can cause a severe inflammation of the lungs.

Potential chronic health effects :

Carcinogenic effects : Contains ingredients which have been classified as recognized or possible human carcinogens.

Mutagenic effects : None known.

Teratogenic effects: None known.

12. ECOLOGICAL INFORMATION

<u>Ingredient</u>	<u>CAS</u>	<u>Test</u>	<u>Species</u>
Morpholine	110-91-8	LC50 180 – 380 mg/l, 96 hrs EC50 100 mg/l, 24 hrs EC50 28 mg/l, 96 hrs EC50 >310 mg/l, 16 hrs	Rainbow trout Daphnia magna Green alga Bacterium
1,2,3-Propanetriol	56-81-5	LC50 > 5000 mg/l, 24 hrs LC0 > 250 mg/l, 48 hrs LC100 51000 – 57000 mg/l, 96 hrs EC50 >10000 mg/l EC0 > 500 mg/l	Carassium auratus Leuciscus idus Oncorhynchus mykiss Daphnia magna Daphnia magna

Do not allow product or water run-off to enter sewers or waterways. Some components are toxic to aquatic life. Some components have a slight potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.
Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

WHIMS : D2A Materials having serious toxic effects.
2B Materials having other toxic effects.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc.

Date : Sept. 2015

Notice to reader :

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