



MATERIAL SAFETY DATA SHEET
826-01 / 827-05 / 829-55

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

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification : 826-01 / 827-05 / 829-55
Product name : Engine Shampoo
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

<u>Ingredient</u>	<u>CAS</u>	<u>Percentage</u>	<u>Exposure limits</u>
Glycol ether EB	111-76-2	7 – 13	LD50 470 mg/kg, rat, oral LD50 220 mg/kg, rabbit, dermal LC50 450 ppm, rat TLV TWA 97 mg/m3 RSST
Sodium metasilicate	6834-92-0	1 – 5	LD50 1153 mg/kg, rat, oral
Ethoxylated alcohol C10-16	68002-9-1	1 – 5	LD50 >1400 mg/kg, rat, oral LD50 2000 mg/kg, rat, dermal
Sodium xylenesulphonate	1300-72-7	1 – 5	LD50 7200 mg/kg, rat, oral

3. HAZARDS IDENTIFICATION

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

Potential acute health effects :

Eye contact : This product can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of the eyes.

Skin contact : Product can cause a slight irritation, redness or burning of the skin. One of the components can pass through skin and increase the toxic effects of inhalation or ingestion.

Inhalation : Overexposure to vapours can cause an irritation.

Ingestion : Ingestion is unlikely in normal handling. Ingestion can be harmful.

Potential chronic health effects :

Eye contact : None known.

Skin contact : None known.

Inhalation : None known.

Ingestion : None known.

This product contains a component (<0.0093%) which is a recognized human carcinogen.

4. FIRST AID MEASURES

- Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention if irritation develops.
- Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. Contact a physician if symptoms appear. It is recommended to wash affected 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.

5. FIRE FIGHTING MEASURES

- Flash point : Non flammable.
- Auto-ignition temperature : Not applicable.
- Flammability limits – air (%) : Not applicable.
- Extinguishing media : Depending on the source of the fire.
- Protective equipment : Firefighters should wear appropriate protection equipment and autonomous breathing apparatus.
- Hazardous combustion materials : Carbon oxides, sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES

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

- Small spill : Dam if necessary. Pump (if possible) and store in an appropriate container. Contain and absorb product with an absorbent material compatible with product. Store residues in closed containers and identify for elimination.
- Large spill : Dam if necessary. Pump (if possible) and store in an appropriate container. Contain and absorb product with an absorbent material compatible with product. Store residues in closed containers and identify for elimination.

7. HANDLING AND STORAGE

- Handling : Do not breathe vapours or aerosols. Prevent contact with eyes or skin by wearing appropriate equipment. Prevent contact with incompatible materials. Wash thoroughly after handling. Wash contaminated clothing before reuse. Empty containers may contain residues. Dispose according to regulations.
- Storage : Store in a cool, dry and well ventilated area away from incompatible products. Prevent freezing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Engineering controls : General ventilation is recommended.

Personal protection equipment for routine handling :

Eye : Splash goggles.
Skin : Long sleeves clothes or lab coat.
Gloves : Chemicals resistant gloves.
Inhalation : If necessary, use a NIOSH/MSHA approved mask.

Personal protection equipment for spills :

Eyes : Splash goggles.
Skin : Impervious clothes.
Gloves : Chemicals resistant gloves.
Inhalation : NIOSH/MSHA approved mask. If in an enclosed area, an autonomous breathing apparatus is recommended.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.
Colour : Dark amber.
Odour : Pungent.
pH @ 1% : 10.23
Relative density (g/cm³) : 1.015
Boiling point : Not determined.
Freezing point : Not determined.
Vapour pressure : Not determined.
Volatiles (weight) : Not determined.
Solubility (water) : Soluble.
VOC (%) : Not determined.
Viscosity : Not determined.

10. STABILITY AND REACTIVITY

Chemical stability : Stable when stored according to recommendations.
Hazardous polymerization : None known.
Conditions to avoid : Prevent freezing.
Materials to avoid : Strong acids and alkalis, strong oxidants.
Dangerous decomposition products : Carbon oxides, sulphur oxides.

11. TOXICOLOGICAL INFORMATION

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Potential acute health effects :

Eye contact : This product can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of the eyes.

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Inhalation : Overexposure to vapours can cause an irritation.

Ingestion : Ingestion is unlikely in normal handling. Ingestion can be harmful.

Potential Chronic Health Effects

Carcinogenic effects: This product contains a component (<0.0093%) which is a recognized human carcinogen.

Mutagenic effects: None known.

Teratogenic effects: None known.

12. ECOLOGICAL INFORMATION

Do not allow product or firefighting water run-off to enter sewers or waterways. Some components are toxic to aquatic life. Some components have a 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 Very toxic material having other effects.
D2B Toxic material having other 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

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