MATERIAL SAFETY DATA SHEET
851-01 / 852-05 / 853-55

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

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification :	851-01 / 852-05 / 853-55
Product name :	Cosmolene
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
Medium aliphatic naphtha	64742-88-7	60 – 100	LD50 >2000 mg/kg, rat, oral LD50 >2000 mg/kg, rat, dermal LC50 > 9 mg/l/4 hrs, rat TLV TWA 1200 mg/m3, EU HSPA TLV TWA 0.2 ppm ACGIH
Ethoxylated Alcohol C10-16	68002-97-1	1 – 5	LD50 >1400 mg/kg, rat, oral LD50 2000 mg/kg, rat, dermal
Ethoxylated Alcohol C9-11	68439-46-3	1 – 5	LD50 >2000 mg/kg, rabbit, dermal
Ethoxylated Alcohol C12-13	66455-14-9	1 – 5	LD50 1000 mg/kg, rat, oral

3. HAZARDS IDENTIFICATION

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

Potential acute health effects :

Eye contact :	Redness.
Skin contact :	May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.
Inhalation :	Dizziness, headache, drowsiness, nausea, cough, choking, wheezing, fever, unconsciousness.
Ingestion :	Cough, diarrhoea, sore throat, vomiting.

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.

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, transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. 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.

Note to physician: Potential for chemical pneumonitis. Consider gastric lavage with protected airway, administration of activated charcoal.

5. FIRE FIGHTING MEASURES

Flash point : 60 to 66 C.
Auto-ignition temperature : 235 to 315 C.
Flammability limits – air (%) : 0.7 to 6 (volume)
Extinguishing media : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment. Do not use water jet. Keep adjacent containers cool by spraying with water.
Protective equipment : Firefighters should wear protective clothing and a self-contained breathing apparatus.
Hazardous combustion materials : Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment. Avoid contact with spilled or released materials. Immediately remove all contaminated clothing. Shut off leaks if possible without personal risks. Remove al possible sources of ignition in the surrounding area. Use appropriate containment of product and fire fighting water to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or to the appropriate barriers. Attempt to disperse the vapour to or direct its flow to a safe location. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding all equipment. Monitor area wit combustible gas indicator.

Small spill : Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely.

Large spill : Transfer by mechanical means such as a vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with a appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling.

Handling : Extinguish naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Avoid contact with skin, eyes and clothing. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge. Avoid splash filling. Do NOT use compressed air for filling, discharging or handling operations. Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations o or near containers.

Storage : Must be stored in a diked area. Bulk storage tanks should be diked. Storage temperature: ambient. Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations o or near containers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof. For personnel entry into confined spaces, a proper procedure must be followed including ventilation and testing of tank atmosphere.

Personal protection equipment for routine handling :

Eye : Chemical splash goggles.

Skin : Use protective clothing which is resistant to this material . Safety shoes and boots should also be chemical resistant.

Gloves : Nitrile rubber gloves.

Inhalation : If exposure exceeds occupational exposure limits, use appropriate NIOSH-approved respirator. Use a NIOSH-approved chemical cartridge respirator with organic vapour cartridges or use a NIOSH-approved supplied-air respirator.

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.
Coulour :	Colourless.
Odour :	Solvent.
pH @ 1% :	Not applicable.
Relative density (g/cm3) :	0.78 to 0.81
Boiling point :	179 – 213 C
Freezing point :	Not applicable.
Vapour pressure :	30 – 93 Pa @ 0 C.
Volatiles (weight) :	Not determined.
Solubility (water) :	Not soluble.
VOC (%) :	90
Viscosity :	Not applicable.

10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Hazardous polymerization : No.

Conditions to avoid : Heat, sparks, open flames and other ignition sources, static discharge.

Materials to avoid : Strong oxidizing agents.

Dangerous decomposition products : Carbon monoxide, carbon dioxide, other organic compounds.

11. TOXICOLOGICAL INFORMATION

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Potential acute health effects :

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Potential Chronic Health Effects

Carcinogenic effects:	Not classified as carcinogen.
Mutagenic effects:	None known.
Teratogenic effects:	None known.

12. ECOLOGICAL INFORMATION

Ingredient	CAS	Test	Species
Medium aliphatic naphtha	64742-88-7	LC/EC/IC50 >1000 mg/l	Fish
		LC/EC/IC50 >1000 mg/l	Aquatic invertebrates
		LC/EC/IC50 >1000 mg/l	Algea

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life. Has potential to bioaccumulate.

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

Regulatory Information	Shipping name	UN	Class	PG
TDG Classification	Flammable liquid n.o.s. (Naphtha)	1993	3	III

15. REGULATORY INFORMATION

WHIMS : B3 Combustible liquid.

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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