

1. Identification and Company Information

Product name

ExoSolve

Use of the substance

Cleaning solvent

Company identification**Supplier**

Sci-Tech Engineered Chemicals

Contact information**Street address**

#340-53016 Hwy 60

City

Acheson

Province

Alberta

Postal Code

T7X 5A7

Telephone

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780-960-1201

Web

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Emergency Telephone

CANUTEC

(613) 996-6666

2. Hazard Identification

HAZARD OVERVIEW: White to straw coloured liquid. Mild solvent odour.

HEALTH HAZARD:

EYES: May cause mild eye irritation

SKIN: May cause mild skin irritation.

INHALATION: May be mildly irritating to the mucous membranes and respiratory system.

INGESTION: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

CARCINOGENICITY: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP or ACGIH

TERRATOGENICITY, MUTAGENICITY: The product was found not to be mutagenic when tested by the Ames Assay

3. Composition, Information of Ingredients

Hazardous Components**Chemical name****CAS #****Concentration****LD(50) of Ingredient**C16-C18 Fatty acid
methyl esters

67762-38-3

60-80 %

oral (rat) >5000 mg/kg, dermal (rabbit) >5000mg/kg

Synthetic hydrocarbon

10-20%

oral (rat) >2000 mg/kg

Anionic surfactant

26264-05-1

15-30%

oral (rat) >1800 mg/kg

4. First Aid Measures

Inhalation: Remove person to fresh air. Get medical attention.

Skin Contact: While removing clothing, wash with large volumes of soap and water for at least 15 minutes. If irritation develops, get medical attention.

Eye Contact: Flush with large volumes of water for at least 15 minutes. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. If conscious, give 1-2 glasses of water and get immediate medical care.

5. Fire Fighting Measures

Flammability: Combustible

Flash Point: 93.9 °C

Flame propagation or burning rate of solid materials: Not applicable

Sensitivity to static discharge: Not applicable

Sensitivity to mechanical impact: Not applicable

Extinguishing Media: Water, water fog, dry chemical powder, carbon dioxide. Do not use solid water stream.

Special fire fighting procedures: Wear SCBA and protective clothing to prevent skin and eye contact in fire situations.

Unusual fire and explosion hazards: Porous material such as rags, paper, insulation may spontaneously combust when wetted with this material.

Hazardous decomposition products: Acrid smoke and irritating fumes, aldehydes, oxides of sulfur and carbon.

6. Accidental Release Measures

Leak and spill procedure: Eliminate all sources of ignition. Contain spill. Wear appropriate personal protective equipment, collect spill with the aid of an inert absorbent and place in suitable labelled containers for disposal. Avoid releasing to the environment.

7. Handling and Storage

Use appropriate personal protection equipment. Avoid eye, skin and clothing contact. Do not breathe mist or vapour. Avoid repeated or prolonged contact. Use only in a well ventilated area. Store away from any product involved in food processing. Keep away from flame or sparks.

Store in a cool, dry, well-ventilated area away from incompatible materials. Protect containers from damage

8. Exposure Controls, Personal Protection

Engineering controls: Avoid the generation of airborne mists where possible when processing at high temperatures. Use local ventilation to keep levels below established threshold values.

Respiratory protection: Wear a NIOSH/MSHA approved organic cartridge respirator in high temperature applications if misting or vapours occur.

Eye protection: Use chemical goggles or full face shield.

Skin protection: Use impervious (rubber, nitrile) gloves and clothing to minimize skin contact.

Other protective clothing or equipment: Eye wash, safety shower, full protective clothing if splashing is expected.

Work hygienic practices: The usual precaution for the handling of chemicals must be observed.

9. Physical and Chemical Properties

Appearance: Colourless to straw coloured liquid.

Activity %: 95% Typical

Specific gravity (Water = 1) 0.88 +/- 0.2

Reactivity in water: Not reactive

Boiling point: 260 °C at 760 mm Hg

Odour: Mild Solvent

pH: 6-7 (typical)

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Flame, sparks or heat over 90 °C, Store at room temperature.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Alcohols

Hazardous polymerization: Will not occur.

11. Toxicological Information

Carcinogenicity: Non-hazardous by WHMIS/OSHA₂ criteria. Not listed by IARC, NTP or ACGIH

Teratogenicity, mutagenicity, reproductive effects: This product was found not to be mutagenic when tested by the Ames Assay (OECD Guidelines for Testing of Chemicals, Sec. 471)

12. ECOLOGICAL INFORMATION

Environmental fate: Biodegradable components

13. Disposal Considerations

Product should be disposed of in accordance to provincial or state and local government requirements prior to disposal. If the product was supplied in a single use container, care should be taken to dispose of the container in a responsible manner in accordance to local regulations.

14. Transportation Information

U.S Department of Transportation: NOT REGULATED

Canadian TDG: NOT REGULATED

15. Regulatory Information

Canadian WHMIS: D.2.b

US Federal Regulations

The components of this product are either on the TSCA Inventory or exempt from the inventory

SARA Hazards:

Acute: No

Reactive: No

Pressure: No

Chronic: No

Fire: No

16. Other Information

PREPARED BY:

SCI-TECH Department of Research and Development

PHONE NUMBER:

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