

1. Identification and Company Information

Product name

ExoSolve Boost

Use of the substance

Emulsifier

Company identification**Supplier**

Sci-Tech Engineered Chemicals

Contact information**Street address**

#340-53016 Hwy 60

City

Acheson

Province

Alberta

Postal Code

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Emergency Telephone

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(613) 996-6666

2. Hazard Identification

HAZARD OVERVIEW: Straw coloured liquid.

HEALTH HAZARD:

EYES: May cause moderate to severe eye irritation

SKIN: May cause moderate to severe skin irritation.

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

INGESTION: Ingestion may cause severe gastrointestinal damage possibly leading to death..

CHRONIC EFFECTS: May cause skin sensitization with repeated contact.

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
Sodium xylene sulfonate	1300-72-7	10-20 %	oral (rat) 7200 mg/kg
Sodium hydroxide	1310-73-2	9-15%	oral (rabbit) 500 mg/kg
DDBSA	27176-87-0	1-7%	oral (rabbit) 650 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 30 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: Not flammable

Flash Point: Not applicable

Flame propagation or burning rate of solid materials: Not applicable

Sensitivity to static discharge: Not applicable

Sensitivity to mechanical impact: Not applicable

Extinguishing Media: Use media proper for surrounding fire.

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

Unusual fire and explosion hazards: Not applicable.

Hazardous decomposition products: Acid smoke and irritating fumes when in fire situations.

6. Accidental Release Measures

Leak and spill procedure: Contain spill. Wear appropriate personal protective equipment. Spills can be neutralized with a weak acid. Label 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.

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. Use local ventilation to keep levels below established threshold values.

Respiratory protection: Wear a NIOSH/MSHA approved organic cartridge respirator 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 %:	40% Typical
Specific gravity (Water = 1)	1.19 +/- 0.2
Reactivity in water:	May react exothermically with water
Odour:	Mild
pH:	12 (typical)

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Avoid contact with acid, strong oxidizers and reducing agents.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Oxides of carbon and sodium

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

TDG: Corrosive liquid, basic, mixture n.o.s.
(sodium hydroxide)
Class 8
UN 3266 PG II

15. Regulatory Information

Canadian WHMIS: D.2.b, E

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

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