

## 1. Identification and Company Information

**Product name**

#960 SuperSolve

**Use of the substance**

Hydrocarbon solvent

**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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**Telephone**

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CANUTEC

(613) 996-6666

## 2. Hazard Identification

HAZARD OVERVIEW: Clear colourless liquid. Very strong solvent odour.

**HEALTH HAZARD:**

EYES: May cause moderate to severe eye irritation

SKIN: May cause mild skin irritation.

INHALATION: May cause central nervous system effects.

INGESTION: Ingestion can cause intoxication, nausea, blindness and death.

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**

<b>Chemical name</b>	<b>CAS #</b>	<b>Concentration</b>	<b>LD(50) of Ingredient</b>
Toluene	108-88-3	40-50 %	oral (rat) 5600 mg/kg
Methanol	67-56-1	10-30%	oral (rat) 5628 mg/kg
Naptha heavy alkylate	64741-65-7	30-40%	oral (rat) 3040 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:** Call poison control immediately and induce vomiting. Methanol is highly toxic and ingesting even small amounts can cause death.

## 5. Fire Fighting Measures

**Flammability:** Flammable

**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:** Use in a well ventilated area. Keep away from sparks or open flame. Use local ventilation to keep levels below established threshold values.

**Respiratory protection:** Wear a NIOSH/MSHA approved organic cartridge respirator in low ventilation areas.

**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 clear liquid.

**Activity %:** 100% Typical

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

**Reactivity in water:** Not reactive

**Odour:** Strong Solvent

**pH:** 6-7 (typical)

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Flame, sparks or heat

**Incompatible materials:** Strong oxidizers.

**Hazardous decomposition products:** Alcohols

**Hazardous polymerization:** Will not occur.

## 11. Toxicological Information

**Carcinogenicity:** Non-hazardous by WHMIS/OSHA<sub>2</sub> 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:** n.av.

## 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

Canadian TDG: Flammable liquids, toxic n.o.s. (methanol. toluene) 3(6.1) UN 1992, pG II

## 15. Regulatory Information

Canadian WHMIS: D.2B, D.1A, B

### US Federal Regulations

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

### SARA Hazards:

Acute: Yes  
Reactive: No  
Pressure: No  
Chronic: Yes  
Fire: Yes

## 16. Other Information

**PREPARED BY:**  
SCI-TECH Department of Research and Development

**PHONE NUMBER:**  
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