

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

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**Emergency Number:** 651-430-2270

**Product Name: HydraSol®  
Cable Gel Remover**

**Chemical Description:** Water/Hydrocarbon Emulsion  
**Product Use:** Cleaning Preparation  
**Date Reviewed:** 14 November 2007  
**Reviewed By:** S. H. Dahlke

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Weight %</u>
Medium Aliphatic Petroleum Solvent	64742-47-8	< 25
Citrus Terpenes	94266-47-4	< 25

## 3. HAZARDS IDENTIFICATION

**NFPA Ratings:**

Health:	0
Fire:	2
Reactivity:	0

**Emergency Overview:** CAUTION: Keep out of reach of children.

## 4. FIRST AID MEASURES

**Eye Contact:** If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.

**Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

**Ingestion (Swallowing):** Do not induce vomiting or give anything by mouth. Petroleum content can be aspirated into lungs and cause aspiration pneumonitis. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

## 5. FIRE-FIGHTING MEASURES

**Flash Point::** 68°C (PMCC)

**Flammable Limits:** Not Available

**Autoignition Temperature:** Not Available

**Hazardous Combustion Products:** Burning generates CO, CO<sub>2</sub> and smoke. Smoke may be acrid and fumes irritating.

**Extinguishing Media:** Carbon Dioxide, Dry Chemical or Foam

**Special Precautions:** Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Use water spray to cool fire-exposed containers.

**Unusual Hazards:** If the solvent is ignited, treat as petroleum solvent fire.

**6. ACCIDENTAL RELEASE MEASURES**

For small spills, absorb with sand or absorbents. For large spills, stay upwind and away from spill. Keep all sources of ignition away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to suppress vapors. Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water.

**7. HANDLING AND STORAGE**

Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Respiratory Protection:</b>	Normal ventilation adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.
<b>Protective Gloves:</b>	For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.
<b>Eye Protection:</b>	Eye protection is recommended, especially if the material is used in ways where it could splash in the eyes.
<b>Other Protective Equipment:</b>	It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.
<b>Exposure Limits and Recommendations:</b>	500 ppm TLV is suggested by the manufacturer for HydraSol® Cable Gel Remover. TLV values for components have not been determined by OSHA/ACGIH.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Milky-white liquid with a light citrus scent.
<b>Odor Threshold:</b>	Not Available
<b>Vapor Density (Air = 1):</b>	Not Available
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	.91
<b>Solubility in Water:</b>	Dilutes emulsion
<b>VOC Content:</b>	375 gms/L
<b>Boiling Point:</b>	~100°C Initial
<b>Freezing Point:</b>	<0°C
<b>Evaporation Rate:</b>	<.06 (n-butyl acetate = 1)
<b>Vapor Pressure:</b>	<10.5 mm Hg @ 20°C
<b>Coefficient of Water/Oil Distribution:</b>	Not Available
<b>pH:</b>	6.5 – 7.5
<b>Percent Volatiles (Weight):</b>	98%

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid heat, flame, sources of ignition.
<b>Materials to Avoid:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

<b>Eye Contact:</b>	Direct eye contact with vapors or splashes may cause eye irritation. This irritation is minimal and expected to be transient.
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<b>Skin Contact:</b>	This product has low skin irritation potential. Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.
<b>Irritation and Sensitization Potential:</b>	This product has low skin irritation potential. It is not a sensitizer.
<b>Inhalation (Breathing):</b>	Concentrated petroleum solvent vapors may cause irritation of the nose and throat. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Persons with impaired lung function may experience additional breathing difficulties due to the irritant properties of this material.
<b>Ingestion (Swallowing):</b>	Material has low level of oral toxicity. Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue.)
<b>Aspiration Hazard:</b>	Petroleum solvent content can enter lungs during swallowing or vomiting and cause aspiration pneumonitis.
<b>Oral Toxicity:</b>	Estimated LD <sub>50</sub> (rat) for HydraSol <sup>®</sup> Cleaner is 16 gm/kg.
<b>Chronic Exposure:</b>	Not Available.
<b>Carcinogenic Status:</b>	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.
<b>Reproductive Toxicity:</b>	Not Available
<b>Mutagenicity:</b>	Not Available
<b>Teratogenicity:</b>	Not Available
<b>Toxicologically Synergistic Products:</b>	Not Available

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.
<b>Ecotoxicity:</b>	No information available.
<b>Other:</b>	Zero ozone depletion potential.

## 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with national and local regulations.

## 14. TRANSPORTATION INFORMATION

<b>Transport Canada-Product Identification Number</b>	Not Regulated for domestic ground or air transport in non-bulk (<400L) packages.
<b>UN Number:</b>	Not Listed
<b>Hazard Warning Label:</b>	Not Applicable

## 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

<b>WHMIS Classification</b>	B3
<b>Canadian DSL</b>	All ingredients listed.
<b>United States TSCA</b>	All ingredients listed.

## 16. OTHER INFORMATION

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.