



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: Irsol
Product Class: Solvent
WHMIS Classification: Class B3 Combustible Liquid
Class D2B Other toxic effects - Skin Irritant

Supplier Name and Address: COASTAL Blending & Packaging
PO Box 1169
Saint John, N.B.
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SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Petroleum Solvent	64742-88-7	100%	100 ppm, 525 mg/m ³	Rat: Inhalation > 13100 mg/m ³ 4 hours	Rat: Oral > 8.0 ml/kg Dermal > 4.0 ml/kg

SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Colourless
Odour: Hydrocarbon
Specific Gravity @ 15°C: 0.77 – 0.82
Solubility in Water: Insoluble
Boiling Point (°C): 150-205

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flammability: Yes No
Flash Point : 43°C (TCC)
Conditions: Open flame or other sources of ignition.

Upper Flammable Limit: 5.0%
Auto Ignition Temperature: Not available.
Sensitivity to Impact: No

Lower Flammable Limit: 0.8%
TDG Flammability Classification: Class 3, III
Sensitivity to Static Discharge: Yes

Means of Extinction: Water fog, Carbon dioxide, dry chemical, foam.
Hazardous Combustion Products: Carbon monoxide and carbon dioxide.
Special Procedures: Wear self-contained breathing apparatus when fighting fire. Use water to cool fire-exposed containers. Combustible - exclude air. Product will float and can be re-ignited on surface of water.

SECTION 5 - REACTIVITY DATA

Stability: This product is stable.
Hazardous Polymerisation: Will not occur.
Conditions to avoid: Excessive heat or open flame.
Incompatibility with other substances: Strong oxidising agents.
Hazardous decomposition products: Carbon monoxide and carbon dioxide upon combustion. Vapour forms a flammable/explosive mixture with air between upper and lower flammable limits.

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SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye Skin Contact Skin Absorption Inhalation Ingestion

Effects of Acute Exposure: May cause irritation to skin and eyes. Prolonged exposure or excessive inhalation of vapours may cause headache, nausea, vomiting, dizziness and central nervous system depression. In rare cases may sensitise heart muscle causing heart arrhythmia.

Effects of Chronic Exposure: Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in irritation and dermatitis.

Exposure Limits: 100 ppm, 525 mg/m³. (TLV/TWA) **Carcinogenicity:** Not established.
ACGIH

Reproductive Toxicity: Not established. **Teratogenicity:** Not established.

Irritancy of Product: Skin and eye irritant. **Mutagenicity:** Not established.

SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

Personal Protective Equipment:

<i>Gloves:</i>	Impervious (viton, nitrile) should be worn when handling this material.
<i>Eye:</i>	Chemical safety glasses or full face shield.
<i>Respiratory:</i>	An approved respirator is advised, if exposed to levels greater than the exposure limit. Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapours. Proper equipment for high concentrations includes an atmosphere supplied, positive pressure demand, self-contained or airline breathing apparatus.
<i>Footwear:</i>	Oil/Chemical resistant.
<i>Clothing:</i>	In confined spaces where risk of skin exposure is much higher, impervious clothing should be worn.
<i>Other:</i>	

Engineering Controls: Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion-proof.

Leak and Spill Procedure: Eliminate all sources of ignition, ground handling equipment. Avoid direct contact with material. Prevent spill from entering sewers or water courses. Contain and absorb with sand or inert material. Remove and dispose of contaminated materials.

Waste Disposal: Consult local authorities.

Storage Requirements: Keep container closed, in a cool, dry area.

Special Shipping Information: UN Number 1268.

SECTION 8 - FIRST AID MEASURES

Inhalation: If affected, remove to fresh air immediately. If breathing has stopped administer artificial respiration, seek medical attention.

Ingestion: Do not induce vomiting, seek medical attention. Guard against aspiration into lungs by having the individual turn on to their left side. If spontaneous vomiting occurs keep head below hips to prevent aspiration of liquid into lungs.

Eye: Flush with water for 15 minutes, seek medical attention.

Skin: Clean area exposed with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

General Advice: Notes to Physician: The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. Cardiac arrhythmias have been reported with solvent exposure. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. If the symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

SECTION 9 - PREPARATION DATE OF MSDS

MSDS Prepared by: COASTAL Blending & packaging **Phone:** 800-574-5823
MSDS Date: January 11, 2010
Revision 02

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