



# SAFETY DATA SHEET

## SOLVENT

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Solvent

**PRODUCT DESCRIPTION:** Aliphatic hydrocarbon-Mineral Spirits

**SUPPLIER:** Commercial Oil Company  
P (905) 560-3244  
F (905) 560-2961  
35 Burford Road  
Hamilton, Ontario  
L8E 3C6

Product and MSDS Information: 1-800-463-1976

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

The following components are defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14(a) of the Hazardous Products Act

Light distillate-Hydro treated	100%	CAS-64742-47-8	LD50: >5 g/kg oral rat >3 g/kg skin rabbit
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### SECTION 3. HAZARDS IDENTIFICATION

**WHMIS:** Class B, Division B: Combustible Liquids  
PIN Number: UN 1268

**Packing Group III**

**Primary TDG: Class 3.3**



**Signal word**  
**Hazard statement**

Warning  
Combustible liquid. May cause an allergic skin reaction.

**INHALATION:** High vapour concentrations are irritating to the eyes, nose, throat and lungs; may cause headaches and dizziness; may be anesthetic and may cause other central nervous system effects. Avoid breathing vapours or mists.

**EYE CONTACT:** Slightly irritating but will not injure eye tissue.

**SKIN CONTACT:** Low Toxicity. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**INGESTION:** Minimal Toxicity. Small amounts of this liquid drawn into the lungs from swallowing or vomiting may cause severe health effects (e.g. bronchopneumonia or pulmonary edema).

**CHRONIC: Prolonged** and repeated exposures of male rats to inhalation of light hydrocarbon vapours in the same boiling range as this material produced kidney disorders and/or damage. These effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species and are believed to be unique to the male rat. A number of human studies have not shown clinical evidence of an association between light hydrocarbons exposure and disease. It is highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below the occupational exposure limits.

**OCCUPATIONAL EXPOSURE LIMITS:** ACGIH Recommends: For Trimethylbenzene, 25ppm (125mg/m<sup>3</sup>)  
Manufacturer recommends: 100 ppm based on composition

#### **SECTION 4. FIRST AID MEASURES**

**INHALATION:** In emergency situations use proper respiratory protection to immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.

**EYE CONTACT:** Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

**SKIN CONTACT:** Flush with large amounts of water. Use soap if it is available. Remove severely contaminated clothing (including shoes) and launder before reuse. If irritation persists, seek medical attention.

**INGESTION:** If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention

#### **SECTION 5. FIRE-FIGHTING MEASURES**

**Flashpoint and method:** 42 deg C TCC

**Auto ignition:** 229 deg C **Flammable Limits:** 1.1 to 6 % by volume

**GENERAL HAZARDS:** Combustible Liquid; may form combustible mixtures at or above the flash point. Toxic gases will form upon combustion.

**FIRE FIGHTING:** Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel to fire. Use foam, dry chemical or water spray to extinguish fire. Respiratory and eye protection required for fire fighting personnel. Avoid spraying water directly into storage containers due to danger of boil over. A self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA may not be required.

**HAZARDOUS COMBUSTIBLE PRODUCTS:** Fumes, smoke and carbon monoxide.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**NOTIFICATION PROCEDURES:** Report spills as required to appropriate Provincial and Federal authorities. In particular, immediate reporting is required for all spills that could reach any waterway, including wetlands and intermittent dry creeks.

**LAND SPILL:** Eliminate source of ignition. Keep public away. Prevent additional discharge of material; if possible do

so without hazard. Prevent spills from entering sewer watercourses or low areas. Contain spilled liquid with sand or earth. Recover by pumping or using a suitable absorbent. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse affects of the spill.

**WATER SPILL:** Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in unconfined waters. Consult an expert on

disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all action necessary to prevent and remedy the adverse affects of the spill.

PERSONAL PRECAUTIONS: See Section 8

#### **SECTION 7. HANDLING AND STORAGE**

**HANDLING STORAGE AND SHIPPING:** Keep containers closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. Do not handle or store near an open flame, sources of heat, or sources of ignition.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**PERSONAL PROTECTION:** The selection of personal protective equipment varies depending upon conditions of use. Where prolonged and/or repeated skin and eye contact is likely to occur, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where eye contact is unlikely, but may occur as a result of short and/or periodic exposures, wear safety glasses with side shields. Where concentrations in air may exceed the occupational exposure limits given in Section 4 and where engineering work practices or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation.

**ENGINEERING CONTROLS:** The use of local exhaust ventilation is recommended to control emissions near the source. Laboratory samples should be handled in a fumed. Provide mechanical ventilation of confined spaces

**SKIN PROTECTION:** No special equipment required. However, good personal hygiene practices should always be followed.

**EXPOSURE LIMITS:** This product does not contain any components which have recognized exposure limits.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Viscosity:** 1.18 cST at 25°C

**Vapour Pressure:** 1.3 kPa at 38°C

**Vapour Density (air=1):** 4.9

**Evaporation Rate:** 0.11

**Freezing/Melting Point:** <-18°C

**% Volatile:** 100

**Appearance:** Clear, colourless liquid

## SECTION 10. STABILITY AND REACTIVITY

**STABILITY:** This product is stable. Hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION:** N/A.

## SECTION 11. TOXICOLOGICAL DATA

### ORAL TOXICITY

Low Toxicity

### DERMAL TOXICITY

Low Toxicity

Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

### INHALATION TOXICITY

Negligible hazard at normal temperatures (up to 38 deg C). Elevated temperatures or mechanical action may form vapours, mists or fumes, which may be irritating to the eyes, nose, throat and lungs. Avoid breathing vapours or mists.

### EYE IRRITATION

Slightly irritating but will not injure eye tissue

### SKIN IRRITATION

Practically non-irritating. (Primary Irritation index: greater than 0.5 but less than 3). Based on testing of similar products and/or the components.

## SECTION 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE AND EFFECTS:** Not established.

## SECTION 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** The product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

## SECTION 14. TRANSPORT INFORMATION

**PRODUCT LABEL** ...Solvent

**SHIPPING NAME**..... Aliphatic hydrocarbon-Mineral Spirits

## SECTION 15. REGULATORY INFORMATION

No information available.

## **SECTION 16. PREPARATION**

**USE:** CLEANING AND DEGREASING

COMMERCIAL OIL COMPANY  
Hamilton, Ontario

**Date:** Feb. 16, 2016  
**Prepared by:** Operations

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