



### MATERIAL SAFETY DATA SHEET

#### MINERAL SPIRITS

#### MATERIAL IDENTIFICATION AND USE

MANUFACTURER'S NAME ..... SOLVENT BUDDY INC.  
 MANUFACTURER'S ADDRESS ..... 22003 - 115 Ave  
 Edmonton, AB  
 T5S 2N6  
 EMERGENCY PHONE NUMBER..... (813) 996-6666 Canutec  
 SUPPLIER IDENTIFIER ..... Solvent Buddy Inc.  
 SUPPLIER'S ADDRESS..... 22003 - 115 Ave  
 Edmonton, AB  
 T5S 2N6  
 SUPPLIER EMERGENCY PHONE NUMBER..... (780) 461-9452  
 PRODUCT IDENTIFIER ..... ALIPHATIC HYDROCARBON  
 PRODUCT USE..... SOLVENT

#### HAZARDOUS INGREDIENTS OF MATERIALS

Chemical Identity	Percentage	CAS #	LD (50)	LC (50)
STODDARD SOLVENT	100	008052413	Rat, Oral- >5g/kg	Rat, Vapour- >5g/m3

#### PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE..... LIQUID  
 ODOUR AND APPEARANCE..... Mild petroleum odor; clear, colourless liquid.  
 ODOUR THRESHOLD ..... The highest known value is 1 PPM  
 SPECIFIC GRAVITY..... 0.79  
 VAPOUR PRESSURE ..... 2 mm of Hg @ 20 °C  
 VAPOUR DENSITY (air = 1)..... 4.8  
 EVAPORATION RATE ..... 0.11  
 BOILING POINT ..... 149-213 °C  
 FREEZING POINT ..... -40 °C  
 PH ..... NOT APPLICABLE  
 DENSITY ..... 700kg/m3  
 VISCOSITY..... 1.14 cST at 25 °C  
 COEFFICIENT OF WATER/OIL DISTRIBUTION..... NO DATA  
 SOLUBILITY IN WATER..... <0.01% at 25 °C

#### FIRE AND EXPLOSION HAZARD OF PRODUCT

CONDITIONS OF FLAMMABILITY..... Combustible  
 VOLATILITY..... 100%  
 MEANS OF EXTINCTION ..... Small fire - Use dry chemicals, CO<sub>2</sub>, water spray.

# MATERIAL SAFETY DATA SHEET

## MINERAL SPIRITS

	Large fire - Use water spray, fog or foam. Do not use water jet.
FLASH POINT & METHOD OF DETERMINATION..	38 °C (Closed Cup)
UPPER EXPLOSION LIMIT (% BY VOL) .....	5%
LOWER EXPLOSION LIMIT (% BY VOL) .....	1%
AUTO-IGNITION TEMPERATURE .....	210 °C
FLAMMABILITY CLASSIFICATION .....	Combustible
HAZARDOUS COMBUSTION PRODUCTS .....	Fumes, smoke, carbon dioxide
EXPLOSION DATA.....	Very slightly to slightly explosive in presence of oxidizing materials. This liquid is volatile and gives off invisible vapours . Either the liquid or vapour may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.
SENSITIVITY TO STATIC DISCHARGE .....	NO DATA

### REACTIVITY DATA

CHEMICAL STABILITY .....	Stable
INCOMPATIBLE MATERIALS .....	Strong oxidizing agents.
CONDITIONS OF REACTIVITY .....	NO DATA
HAZARDOUS DECOMPOSITION PRODUCTS .....	Not applicable

### TOXICOLOGICAL PROPERTIES OF PRODUCT

#### ACUTE OVER EXPOSURE EFFECTS:

SKIN CONTACT .....	Irritation
SKIN ABSORPTION .....	NO DATA
EYE .....	Slight Irritation
INHALATION.....	High vapour/aerosol concentrations (greater than approximately 1000ppm) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness and other central nervous system effects, including death.
INGESTION.....	Minimal toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

#### CHRONIC OVER EXPOSURE EFFECTS:

SKIN:.....	Irritation and dermatitis from prolonged or repeated contact.
EXPOSURE LIMITS .....	ACGIH: 100ppm (525 mg/m3)
IRRITANCY OF PRODUCT .....	NO DATA
SENSITIZATION TO MATERIAL .....	NO DATA
CARCINOGENICITY, REPRODUCTIVE EFFECTS.	NO DATA
TERATOGENICITY, MUTAGENICITY .....	NO DATA

# MATERIAL SAFETY DATA SHEET

## MINERAL SPIRITS

TOXICOLOGICALLY SYNERGISTIC PRODUCTS.. NO DATA  
SPECIAL PRECAUTIONS..... Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapours, mists or fumes should be minimized.

---

### PREVENTIVE MEASURES

---

PERSONAL PROTECTIVE EQUIPMENT ..... Vapour respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.  
EYE/FACE PROTECTION ..... Safety glasses with side shields.  
SKIN PROTECTION ..... Chemical resistant gloves, long sleeves, coveralls and boots, etc., as needed to prevent skin exposure.

SPECIFIC ENGINEERING CONTROLS ..... General ventilation is normally adequate for small-scale use at room temperature or below. Local exhaust ventilation is normally needed with large-scale use or at elevated temperatures. Laboratory samples would be handled in a fume hood. Provide mechanical ventilation of confined spaces.

LEAK AND SPILL PROCEDURES ..... Absorb with an inert material and put the spilled material in an appropriate waste disposal, in compliance with local government regulations.

WASTE DISPOSAL ..... Recycle to process, if possible. Consult your local or regional authorities.

HANDLING PROCEDURES AND EQUIPMENT ..... Ground all equipment containing material. Keep container tightly closed.

STORAGE REQUIREMENTS ..... Keep container 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, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. DO NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue.  
DO NOT reuse empty containers without commercial cleaning or reconditioning.

SPECIAL SHIPPING INFORMATION..... TRANSPORTATION OF DANGEROUS GOODS CLASSIFICATION:  
FLAMMABLE LIQUIDS N.O.S. (petroleum

# MATERIAL SAFETY DATA SHEET

## MINERAL SPIRITS

distillates) UN1268, 3.0, III

WHMIS CLASSIFICATION:

CLASS B, DIVISION 3: COMBUSTIBLE LIQUIDS

---

### FIRST AID MEASURES

---

#### SPECIFIC FIRST AID PROCEDURES

INHALATION:..... Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. Loosen tight clothing such as a tie or belt. If breathing is difficult administer oxygen. If the victim is not breathing, perform mouth-to-mouth.

EYE CONTACT:..... Flush with water until irritation subsides.

SKIN CONTACT: ..... Remove contaminated clothing as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists seek medical attention.

INGESTION: ..... DO NOT INDUCE VOMITING. Never give anything by mouth if victim is unconscious. Obtain medical attention immediately.

FIRST AID COMMENTS:..... Provide general supportive measures (comfort, warmth, rest). Consult a doctor for all exposures except minor instances of inhalation or skin contact.

---

### PREPARATION DATE OF MATERIAL SAFETY DATA SHEET

---

PREPARED BY ..... Solvent Buddy Inc.  
TELEPHONE NUMBER OF PREPARER ..... (780) 461-9452  
DATE REVIEWED ..... October 13, 2012

DISCLAIMER: THE INFORMATION HEREIN IS PROVIDED IN GOOD FAITH AND IS BELIEVED TO BE CORRECT. HOWEVER, SOLVENT BUDDY INC. MAKES NO REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION. INDIVIDUALS RECEIVING THE INFORMATION ARE EXPECTED TO EXERCISE THEIR INDEPENDENT JUDGEMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE.