

**SECTION 1 - PRODUCT IDENTIFICATION**

**Product identifier/Trade name:** SOLVENT 520  
**Product code/Internal Identification:** 5754; 5752; 57525  
**Product use/Description:** Solvent, diluent, chemical feedstock or fuel. 4 L, 20 L and 205 L container.  
**Product chemical name:** Petroleum distillates, hydrotreated light.  
**Chemical family:** Isoparaffinic hydrocarbon.  
**MSDS preparation/review date:** January 19, 2010  
**Supplier identifier:** Asalco Inc.  
44, ch. Des Ursulines, Stanstead, Québec (Canada), J0B 3E0  
Telephone 819-876-2211; Fax 819-876-5373; Internet [www.asalco.com](http://www.asalco.com)  
**Manufacturer identifier:** Same as supplier  
**Emergency phone number:** (613) 996-6666 (CANUTEC)  
**WHMIS Classification:** B3 – Combustible liquid.

**SECTION 2 - CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS**

Hazardous Ingredients	CAS #	% (weight)	LD <sub>50</sub> (route, species)	LC <sub>50</sub> (species)
Petroleum distillates, hydrotreated light	64742-47-8	60-100	N/Av	N/Av

**SECTION 3 - HAZARDS IDENTIFICATION****Emergency Overview**

Combustible liquid.

Caution. May cause mild eye and skin irritation. Prolonged or repeated contact may dry skin and cause irritation.

**\*POTENTIAL HEALTH EFFECTS\*****Primary entry route(s):** Skin contact, eye contact, ingestion and inhalation.**Effects of short-term (acute) exposure:****Inhalation:**

If product is heated or high concentrations of mists are formed, may cause irritation to the nose, throat and upper respiratory tract.

**Skin:** Direct skin contact may cause a mild irritation.**Eyes:** Direct eye contact may cause a mild irritation.**Ingestion:**

Product may present an aspiration hazard, and cause life-threatening lung injury following ingestion.

**Effects of long-term (chronic) exposure:**

Prolonged or repeated contact may cause drying, cracking and defatting of the skin (dermatitis). Skin sensitization is possible.

**Other important hazards:** Refer to Section 11, Toxicological Information, for further information.

**SECTION 4 – FIRST AID MEASURES****Inhalation:**

Remove source of contamination or have victim move to fresh air. If not breathing, give artificial respiration. Obtain medical attention if irritation develops and persists.

**Skin contact:**

Wash contaminated area with mild soap and running water, while removing contaminated clothing. Obtain medical attention if irritation develops and persists. Launder contaminated clothing before re-use.

**Eye contact:**

Immediately flush the contaminated eye(s) with gently flowing water for at least 5 to 10 minutes. Obtain medical attention if irritation develops and persists.

**Ingestion:**

Do not induce vomiting. Have victim drink two glasses of water. Obtain medical attention. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing.

**SECTION 5 - FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability:**

Combustible. This material may be ignited by extremely high heat or direct flame. Closed containers may rupture when exposed to heat, due to a build-up of internal pressure.

**Flash point (Method):** 81 °C (Pensky-Martens closed cup)

**Lower flammable limit (% by volume):** 0.5

**Upper flammable limit (% by volume):** 4.9

**Sensitivity to mechanical impact:** Not expected to be sensitive to mechanical impact.

**Sensitivity to static discharge:** Not expected to be sensitive to static discharge.

**Auto-ignition temperature:** 250 °C

**Suitable extinguishing media:**

Use carbon dioxide, dry chemical powder or appropriate foam.

**Special fire-fighting procedures/equipment:**

During a fire, irritating/toxic smoke and fumes may be generated. Fire-fighters should wear proper full protective equipment and self-contained breathing apparatus with full face-piece. Move containers from fire area, if it can be done so without risk.

Use water to cool fire exposed containers and equipment.

**Hazardous combustion products:**

Carbon oxides and other irritating fumes and smoke.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

**Spill response/Cleanup:**

Ventilate area of release. Eliminate all sources of ignition. Stop the leak if it can be done safely. Contain and absorb spilled liquid with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

**Environmental precautions:**

Confine spill, preventing it from entering sewer lines or waterways. Dispose of as per local, state and federal regulations.

**SECTION 7 - HANDLING AND STORAGE****Safe handling procedures:**

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers closed when not in use. Empty containers are always dangerous. Assume that empty containers contain residues which are hazardous.

**Storage requirements:**

Store in a cool, well-ventilated area, away from heat and ignition sources. Store away from incompatible materials. Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

**Incompatible materials:**

STRONG OXIDIZING MATERIALS (e.g. Chlorides, Peroxides).

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure limits:** There is no available data for the product. See below for individual ingredient exposure limits.

Ingredient	OSHA PEL	ACGIH TLV
Petroleum distillates, hydrotreated light	None	None

**Engineering controls:**

None required under normal handling conditions. Local exhaust ventilation system is recommended when exposure levels are not known.

**Respiratory Protection:**

None normally required. Respiratory protection is required if concentrations are high or are not known. Use a NIOSH approved respirators if the exposure limits are unknown.

**Protective Clothing/Equipment:**

If prolonged contact is anticipated, chemically protective gloves (impervious), and other protective clothing to prevent skin contact, must be worn. Wear protective chemical safety glasses to prevent prolonged or repeated eye contact. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General Hygiene Considerations:**

Avoid contact with skin and eyes. Avoid breathing vapours or mists. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state, colour and odour:** Colourless clear liquid. Petroleum odour.

**Odour threshold:** N/Av

**pH:** N/Av

**Melting/freezing point:** < -57 °C

**Coefficient of oil/water distribution:** N/Av

**Specific gravity or density (water = 1):** 0.792 @ 15.6 °C

**Evaporation rate:** < 0.1

**Boiling point:** 224-254 °C

**Vapour pressure:** 0.04 kPa @ 38 °C

**Solubility in water:** < 0.1

**Vapour density (Air = 1):** 6.5 heavier than air

**% volatile by volume:** 100

**SECTION 10 - REACTIVITY AND STABILITY DATA**

**Stability and reactivity:** Stable under the recommended storage and handling conditions prescribed.  
**Polymerization:** Hazardous polymerization will not occur.  
**Conditions to avoid:** Avoid heat, sparks, direct flame and other ignition sources.  
**Materials to avoid:** Incompatible materials (see Section 7).  
**Hazardous decomposition products:** None known. Refer to 'Hazardous combustion products', Section 5.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Toxicological data:** There is no available data for the product itself, only for the ingredients. **For more details, refer to Section 2.**  
**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP or OSHA as a carcinogen.  
**Teratogenicity, mutagenicity, other reproductive effects:** N/Av  
**Skin sensitization:** N/Av  
**Respiratory tract sensitization:** N/Av  
**Conditions aggravated by exposure:** None known  
**Synergistic materials:** N/Av

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental effects:** There is no available data on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.  
**Important environmental characteristics:** N/Av  
**Aquatic toxicity:** N/Av

**SECTION 13 - WASTE DISPOSAL**

**Handling and storage conditions for disposal:**  
Store material for disposal as indicated in Handling and Storage (Section 7).  
**Methods of disposal:**  
Review federal, provincial and local government requirements prior to disposal.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) :**  
**TDG Classification:** This product is not regulated for transportation by ground within Canada.  
**Special case:** N/Av

**SECTION 15 - REGULATORY INFORMATION****WHMIS information:**

Product is regulated according to the Controlled Product Regulations (CPR) in Canada. Refer to Section 1 for the appropriate WHMIS classification.

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.*

**Hazardous Materials Identification System (HMIS):**

HEALTH: \*1    FLAMMABILITY: 1    REACTIVITY: 0    PERSONAL PROTECTION: See Section 8.  
HAZARD SCALE: \* = Chronic hazard    0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe

**National Fire Protection Association (NFPA):**

HEALTH: 1    FLAMMABILITY: 1    INSTABILITY: 0    SPECIAL HAZARDS: None.  
HAZARD SCALE: 0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe

**United States OSHA information:**

This product is regulated according to OSHA. This MSDS contains all the information required by OSHA.

**United States TSCA information:**    The ingredients in this product are listed on the TSCA.

**New Jersey Labeling Requirements:**    Ingredients to be disclosed on product labelling : Refer to Section 2.

**California Proposition 65:**    This product may contain traces of chemicals that are known to the State of California to cause cancer or other reproductive harm.

**SECTION 16 - OTHER INFORMATION**

**Prepared by:**    NSS ENTREPRISE INC. for Asalco Inc.

**Telephone number:**    Telephone 819-876-2211 Fax 819-876-5373 Internet [www.asalco.com](http://www.asalco.com)

**References:**

1. Material Safety Data Sheets from manufacturer/supplier.
2. CSST, Répertoire Toxicologique, Les produits, 2010.  
Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2010.

**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Ap	Not applicable
N/Av	Not available
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WEEL	Workplace Environmental Exposure Level
WHMIS	Workplace Hazardous Materials Information System

**End of the MSDS**