

GHS SAFETY DATA SHEET 'TRI-SOLV'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... TRI-SOLV
 Chemical Use..... Oil-Based Stripping Agent
 Chemical Family..... Mixture
 Issue Date of SDS..... May 23, 2014

MANUFACTURER:

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SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Acute Toxicity-Oral Skin Corrosion/Irritation Eye Damage/Irritation	None Known	Flammable Liquids
Category 4 Category 3 Category 2B		Category 4

GHS LABEL:



GHS07 Irritant

SIGNAL WORD:

WARNING

Hazard Statements

H227: Combustible Liquid.
 H302: Harmful if swallowed.
 H316: Causes mild skin irritation.
 H320: Causes eye irritation.

Precautionary Statements

P210: Keep away from flames and hot surfaces. No Smoking.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/eye protection/face protection.
 P301 + P312: If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P330: Rinse mouth.
 P332 + P313: If skin irritation occurs: Get medical advice/attention.
 P337 + P313: If eye irritation persists: Get medical advice/attention.
 P370 + P378: In case of fire: Use foam, carbon dioxide or water spray for extinction.
 P403 + P235: Store in a well ventilated place. Keep cool.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

	<u>NFPA</u>
Health	1
Flammability	2
Reactivity	0
Special Notice	-

<u>HMIS</u>	
1	Health
2	Flammability
0	Physical Hazard
G	PPE

0 - Minimal
 1 - Slight
 2 - Moderate
 3 - Serious
 4 - Severe
 G - Safety Glasses, Gloves & Vapor Respirator

INGREDIENTS	CAS#	CONCENTRATION
D-Limonene	5989-27-5	50%
Mixed Methyl Esters	67784-80-9	30%
Non-Ionic Surfactant	9016-45-9	20%

SECTION 4 - FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

Skin Contact..... Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Inhalation..... If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion..... DO NOT INDUCE VOMITING! Drink one or two glasses of water and get medical attention immediately!

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use foam, carbon dioxide, or water spray to extinguish flames.

Unsuitable Extinguishing Media:..... No further relevant information available.

Combustion Products: Carbon Monoxide

Fire Fighting Instructions..... As with any fire, wear sealed contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

Personal Precautions:..... Prevent contact with skin and eyes. See Section 8.

Environmental Precautions..... Prevent entry of product into drains, sewers, or surface or ground water.

Methods for Cleaning Up:..... Clean up spills immediately. Absorb spill with inert material (e.g., dry sand or earth), then place in a suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:..... Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing and eye protection when handling this product. Use in well ventilated areas.

Storage..... Store in cool place in original container and keep away from direct sunlight. Keep container closed when not in use.

Shelf-Life..... One to two years normally.

Storage Temperature..... 5 - 43°C (41 - 110°F)

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH (TLV)	ACGIH (STEL)	OSHA (PEL)
	D-Limonene	Not Known	Not Known	Not Known
	Mixed Methyl Esters	Not Known	Not Known	Not Known
	Non-Ionic Surfactant	Not Known	Not Known	Not Known

Engineering Controls..... Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment (PPE):

Eye Protection..... Wear safety-goggles with side shields (or goggles). Contact lenses should not be worn.

Skin Protection..... Wear chemical resistant gloves.

Respiratory Protection..... For most situations, no respiratory protection is necessary.

General Hygiene Consideration..... There are no known health hazards associated with this product when used as recommended.

The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

Exposure Limits..... Not established for product as whole.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance..... Clear to slightly orange liquid.

Odor..... Orange odor.

Vapor Pressure..... Not Determined.

Odor Threshold..... Not Determined.

Vapor density..... Not Determined.

pH..... N/A for Oils.

Relative Density..... Not Determined.

Melting point/Freezing point:..... Not Determined.

Solubility in water..... <1%

Initial boiling point and range..... 300°F

Flash Point..... 120°F

Evaporation rate..... Not Determined.

Flammability (solid, gas):..... Not Determined.

Upper/Lower flammability or explosive limits:..... LFL .7%, UFL 6.1%

Partition coefficient..... Not Determined.

Auto igniting temperature..... Product is not self igniting.

Decomposition temperature..... Not Determined.

Viscosity..... Not Determined.

Specific Gravity (water = 1)..... .91 - .96

SECTION 10 - STABILITY & REACTIVITY

Reactivity..... To prevent oxidation, avoid long term exposure to air.

Chemical Stability..... Stable under recommended storage conditions.

Hazardous Polymerization..... Will not occur.

Incompatibilities..... Avoid strong oxidizing agents.

Decomposition Products..... None determined.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:..... Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Eye..... May cause mild irritation and burning to eyes. Rinse cautiously with water for several minutes.

Skin..... Prolonged or repeated exposure may cause irritation/drying of skin.

Ingestion..... Severe gastrointestinal effects. Rinse mouth with water. Call POISON CENTER or doctor/physician if you feel unwell.

Inhalation:..... Prolonged or repeated exposure may cause irritation. Call a POISON CENTER or doctor/physician if you feel unwell.

Chronic Exposure:..... Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Toxicity: **LD50** **LC50**
 Not Known Not Known

Carcinogenicity..... Not a known carcinogen

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... Product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

Mobility in soil:..... No further relevant information available.

Degradability:..... Expected to readily biodegrade.

Bioaccumulation:..... No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATION

TRI-SOLV is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

(Note: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate).

SECTION 14 - TRANSPORTATION INFORMATION

- A. USA:** **UN Number**..... UN1993
 UN Proper Shipping Name..... Combustible Liquids, N.O.S. (D-Limonene), 3
 Packaging group..... III
 Technical Shipping Name..... Combustible Liquids, N.O.S. (D-Limonene), 3
 D.O.T. Label..... UN1993, Combustible Liquids, N.O.S., 3
 D.O.T. Placard..... Combustible Liquid
 Freight Class Package..... Class 55
- B. CANADA:** **TDG**..... Combustible Liquid
- C. ENGLAND:** **Approved Carriage List**..... Combustible Liquid

SECTION 15 - REGULATORY INFORMATION

- A. USA:** **TSCA Status**..... All ingredients listed on TSCA Inventory.
 SARA TITLE III, 302/303 EHS..... None
 SARA TITLE III, 304 HS..... None
 SARA TITLE III, 311/312..... None
 SARA TITLE III, 313..... None
- B. CANADA:** **DSL/NDSL**..... All ingredients are listed.
 WHMIS..... Not Classified.
- C. EC:** **EINECS**..... All ingredients are listed.

SECTION 16 - OTHER INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

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