


**Safety Data Sheet**  
**Chemsolv T-27 Thinner**

**SECTION I - IDENTIFICATION**

|   |  |
|---|--|
|  | <p>Chemsolv, Inc.<br/>1140 Industry Avenue, S.E.<br/>Roanoke, VA 24013<br/>(540) 427-4000<br/>CHEMTREC :..... (800) 424-9300</p> |
|---|--|

|                        |                       |
|------------------------|-----------------------|
| <b>Product Number</b>  | 006322                |
| <b>Product Name</b>    | Chemsolv T-27 Thinner |
| <b>Chemical Family</b> | Blend                 |
| <b>CAS Number</b>      | Multiple              |
| <b>Date Prepared</b>   | 5/9/2016              |
| <b>Revision Number</b> |                       |
| <b>Recommended Use</b> | Industrial Use Only   |

**SECTION II - HAZARDOUS IDENTIFICATION**

**GHS CLASSIFICATION:**

**Classification**

|  |             |
|--|-------------|
| Flammable Liquids                                  | Category 2  |
| Aspiration Hazard                                  | Category 1  |
| Skin Corrosion/Irritation                          | Category 2  |
| Serious Eye Damage/Eye Irritation                  | Category 2A |
| Acute Toxicity, Inhalation                         | Category 4  |
| Specific target organ toxicity, single exposure, N | Category 3  |
| Reproductive Toxicity                              | Category 2  |
| Specific target organ toxicity, repeated exposure  | Category 2  |

**DANGER!**

**GHS LABEL:**



**Hazard Statements**

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapor                   |
| H304 | May be fatal if swallowed and enters airways        |
| H315 | Causes skin irritation                              |
| H319 | Causes serious eye irritation                       |
| H332 | Harmful if inhaled                                  |
| H336 | May cause dizziness or drowsiness                   |
| H361 | Suspected of damaging fertility or the unborn child |

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H373 May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/light/.../ equipment, etc.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures to prevent static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash... thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
- P308+313 IF exposed or concerned: get medical advice/attention.
- P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see below).
- P331 Do NOT induce vomiting.
- P332+313 If skin irritation occurs: get medical advice/attention.
- P337+313 If eye irritation persists get medical advice/attention.
- P362+364 Take off immediately all contaminated clothing and wash it before reuse.
- P370+378 In case of fire: Use appropriate media to extinguish.

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- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P403+235 Store in a well ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local and national regulations.

**SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

| Component Name             | CAS #      | Component% | OSHA PEL | ACGIH TLV    |
|----------------------------|------------|------------|----------|--------------|
| Hydrotreated Light Naphtha | 64742-49-0 | 80         | 500 ppm  | 500 ppm      |
| Toluene                    | 108-88-3   | 10         | 200 ppm  | 100 ppm      |
| 2-Butoxyethanol            | 111-76-2   | 5          | 50 ppm   | 20 ppm       |
| Isopropyl Alcohol          | 67-63-0    | 5          | 400ppm   | 200ppm (TWA) |

**SECTION IV - FIRST AID MEASURES**

**Contact with eyes:** Flush with water for 15 minutes. Seek immediate medical attention.

**Skin contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

**Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

**Ingestion:** If swallowed. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**SECTION V - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, foam, CO2, dry chemical.

**Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

**Unusual Fire Fighting Hazards:** Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

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**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Keep all sources of ignition and hot metal surfaces away from spill or release.

Evacuate all unprotected personnel from the area.  
Product is extremely flammable.

**Environmental Precautions:** Prevent liquid from entering drains, sewers or waterways.  
Contain spill if it can be done with minimal risk.  
Notify proper authorities.

**Methods for Cleaning Up:** Use foam on spills to minimize vapors.  
Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

**SECTION VII - HANDLING AND STORAGE**

- Handling and Storage:**
- Vent container carefully before opening.
  - Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended.
  - "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
  - Keep containers tightly closed when not in use.
  - NFPA Class IB storage.
  - Outdoor storage or detached storage may be preferred.
  - Indoor storage must meet OSHA standards and fire codes.
  - If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.
  - Where explosive mixtures may be present, electrical systems safe for such locations must be used.

**SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

| Component Name             | CAS #      | OSHA PEL | ACGIH TLV    |
|----------------------------|------------|----------|--------------|
| Hydrotreated Light Naphtha | 64742-49-0 | 500 ppm  | 500 ppm      |
| Toluene                    | 108-88-3   | 200 ppm  | 100 ppm      |
| 2-Butoxyethanol            | 111-76-2   | 50 ppm   | 20 ppm       |
| Isopropyl Alcohol          | 67-63-0    | 400ppm   | 200ppm (TWA) |

**Engineering Controls:** Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

**Monitoring:** Follow accepted work practices for handling a flammable material.  
Do not eat, drink or smoke in areas where this chemical is used or stored.  
Have eye wash stations and safety showers readily available.

**Personal Protective Equipment (PPE)**

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**Eye Protection:** Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

**Skin Protection:** Impervious solvent resistant gloves.  
Impervious apron and work boots recommend where splashing may occur.

**Respiratory Protection:** Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |   |
|----------------------------------|---|
| <b>Appearance</b>                | Clear, Colorless Liquid                                     |
| <b>Odor</b>                      | Characteristic solvent odor                                 |
| <b>pH@25°C</b>                   | Not Determined  |
| <b>Melting/Freezing Point</b>    | Not Determined  |
| <b>Flashpoint</b>                | 39.2 - 154°F Range of components (Calculated estimate 65°F) |
| <b>Specific Gravity</b>          | 0.78  |
| <b>Solubility</b>                | Very slight   |
| <b>Auto-Ignition Temperature</b> | Not Determined  |
| <b>Decomposition Temperature</b> | Not Determined  |
| <b>VOC Content</b>               | 100% (6.5#/gal)   |
| <b>Odor Threshold</b>            | Not Determined  |
| <b>Boiling Range</b>             | 180 - 344.3°F Range of components                           |
| <b>Evaporation Point</b>         | Not Determined  |
| <b>Flammable Limits - Upper</b>  | Not Determined  |
| <b>Flammable Limits - Lower</b>  | Not Determined  |
| <b>Vapor Pressure</b>            | Not Determined  |
| <b>Vapor Density (Air=1)</b>     | Not Determined  |
| <b>Viscosity</b>                 | Not Determined  |

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable, under normal conditions of storage and handling.

**Conditions to Avoid:** Extreme heat and ignition sources.

**Hazardous Decomposition/Byproducts:** CO, CO<sub>2</sub>, and various hydrocarbons under combustion conditions.

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

**Incompatibilities:** Strong oxidizers

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**SECTION XI - TOXICOLOGICAL INFORMATION**

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**Inhalation:** May cause irritation to the upper respiratory tract and CNS depression.

**Eye Contact:** Causes eye irritation including stinging, watering and redness which may result in corneal injury.

**Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

**Ingestion:** Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

**Acute Toxicity Value:** See Health Hazards below.

**Chronic (Long Term) Effects:** See Health Hazards above.

**Toxicity:**

| Component Name             | LD50   | LC50                             |
|----------------------------|--|----------------------------------|
| Hydrotreated Light Naphtha | Oral - Rat - > 2000 mg/kg -<br>Dermal - rat - > 2000 mg/kg | Not Established                  |
| Toluene                    | Oral-Rat- > 5,580 mg/kg; Dermal-<br>Rabbit-12,267 mg/kg    | Inhalation-Rat-4 h- >20 mg/l     |
| 2-Butoxyethanol            | Oral - Rat - 470 mg/kg; Dermal -<br>Rabbit - 220 mg/kg;    | Inhalation - Rat - 4 h - 450 ppm |
| Isopropyl Alcohol          | Oral-Rat- >2000 mg/kg; Dermal-<br>Rabbit- >2000 mg/kg      | Inhalation-Rat- >20 mg/l (8h)    |

**Reproductive Effects** Not Determined

**Teratogenicity** Suspected of damaging the unborn child.

**Mutagenicity** Not Determined

**Embryotoxicity** Not Determined

**Sensitization to Product** Not Determined

**Synergistic Products** Not Determined

**Carcinogenicity** Not Determined

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**SECTION XII - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Information not available.

**Mobility:** Information not available.

**Degradability:** Readily biodegradable.

**BioAccumulation:** The potential for bioaccumulation is low.

**SECTION XIII - WASTE DISPOSAL CONSIDERATIONS**

Follow Federal, state, and local regulations.

**SECTION XIV - TRANSPORT INFORMATION**

**DOT SHIPPING INFORMATION**

**Proper Shipping Name:** Flammable Liquid, n.o.s.

**Contains:** (Toluene, Naphtha)

**Hazard Class and Label:** 3

**Identification Number:** UN1993

**Packaging Group:** II

**Other Shipping Info:**

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:**..... The components of this product are listed on the TSCA Inventory

**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.

**SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:**

| Acute | Chronic | Fire | Pressure | Reactive |
|-------|---------|------|----------|----------|
| X     | X       | X    |          |          |

**SARA TITLE III SECTION 313 SUPPLIER INFORMATION:**

| Component Name | CAS #    | % by wt. |
|----------------|----------|----------|
| Toluene        | 108-88-3 | 10       |

**CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:**

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| Component Name  | CAS #    | % by wt. | RQ (lbs.) |
|-----------------|----------|----------|-----------|
| Toluene         | 108-88-3 | 10       | 1,000     |
| 2-Butoxyethanol | 111-76-2 | 5        | 5,000     |

**CALIFORNIA PROPOSITION 65:**

Toluene is a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**SECTION XVI - OTHER INFORMATION**

**HMIS Health:** ..... 2

**HMIS Flammability:** ..... 3

**HMIS Reactivity:** ..... 0

**Additional:**

**Specification Information**

**Department issuing data sheet:** Regulatory Affairs

**Email address:** rcoats@chemsolv.com

**Training necessary:** Hazard Communication

**Disclaimer:**

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