

**SECTION I - Distributor's Information**

**Distributor:** Research Solvents and Chemicals, Inc.  
**Address:** 402 Industrial Park Dr. Pelham, AL 35124  
**Phone:** (205) 663-6350 or (615) 793-6737  
**Emergency Phone:** CHEMTREC: (800) 424-9300 **RESEARCH:** (615) 793-6737  
**Date Prepared:** 09/26/05 **Date Revised:** 11/01/11

**\*\*HMIS Rating Health -1 Flammability -2 Reactivity -0**

**SECTION II - Hazardous Components of Mixture**

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.

<u>Components</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum distillates, Hydrotreated, light	64742-47-8	500 ppm	500 ppm

**SECTION III - Physical Characteristics**

**Boiling Point:** >355 F  
**Vapor Pressure:** <0.5 mm Hg @ 100°F  
**Vapor Density:** 6.2 (air=1)  
**Specific Gravity:** 0.79 ± 0.02  
**Melting Point:** n/a  
**Evaporation Rate:** <1 where ether=1  
**Solubility in Water:** negligible  
**Appearance and Odor:** clear, colorless liquid with mild odor  
**%Volatiles (by weight):** 100% (6.6#/gal)

**SECTION IV - Fire and Explosion Data**

**Flash Point** >142°F (TCC)  
**Lower Flammable Level:** 1.0%  
**Upper Flammable Level:** 6.0%  
**Extinguishing Media:** Dry chemical, Carbon dioxide, and foam. *Caution:* Water stream may spread fire.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus. Keep containers cool with water stream to minimize swelling. Use appropriate firefighter's protective clothing for conditions present at the fire scene.

**Unusual Fire Fighting Hazards:** NFPA Class IIIA combustible liquid. Can form flammable mixtures with air and flash at room temperature. Explosion hazard in fire situation. Vapor heavier than air and may travel considerable distance to a source of ignition and flash back.

**SECTION V - Stability**

**Stability:** Stable  
**Conditions to Avoid:** Extreme Temperatures  
**Incompatibilities (materials to avoid):** May react with strong oxidizers.  
**Hazardous Decomposition or Byproducts:** CO, CO2  
**Hazardous Polymerization:** Will not occur  
**Polymerization Conditions to Avoid:** None known

**SECTION VI - Health Hazard Data**

**PEL/TLV:** TWA 500 ppm  
**Route(s) of Entry:** Eye/skin contact; inhalation; ingestion  
**Health Hazards (acute and chronic):** *EYES:* Contact causes eye irritation including stinging, watering and redness.  
*SKIN:* Contact causes skin irritation including redness, burning and drying and cracking of the skin.  
*INHALATION:* Moderate degree of toxicity by inhalation. Will cause irritation to upper respiratory tract and CNS depression.  
*INGESTION:* Low degree of toxicity by ingestion. Aspiration hazard. Can enter lungs during swallowing or vomiting and cause chemical pneumonia and edema.

**Carcinogenicity:** Not listed as a carcinogen

**Signs and Symptoms of Overexposure:** Irritation, reddening, defatting of skin, dermatitis, headache, dizziness, nausea, vomiting.

**Medical Conditions Aggravated by Exposure:** none known

**Emergency First Aid Procedures:** *Eyes:* Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.  
*SKIN:* Flush exposed areas with plenty of water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.  
*INHALATION:* Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.  
*INGESTION:* **Do Not Induce Vomiting** due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. Seek immediate medical attention.

**SECTION VII - Handling and Storage**

**Steps to be Taken if Material is Released or Spilled:** Keep all sources of ignition and hot metal surfaces away from spill/release. Evacuate all unprotected personnel from area. Use foam on spills to minimize vapors. Contain spill if it can be done with minimal risk. Using only non-sparking tools and explosion proof equipment collect spill on absorbent material and put into approved container. Prevent liquid from entering drains, sewers, or waterways. Notify proper authorities.

**Waste Disposal Method:** Follow Federal, state, and local regulations. Not a RCRA hazardous waste if uncontaminated.

**Precautions to be Taken in Handling and Storing:** NFPA Class IIIA storage. Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. 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 pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flames, sparks, or other sources of ignition. Keep containers tightly closed when not in use.

**SECTION VIII - Personal Protection**

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

**Ventilation:** Adequate local or mechanical to reduce mist/vapor to <TLV.

**Protective Gloves:** Impervious, solvent resistant.

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

**Clothing:** Impervious apron and work boots recommended where splashing may occur.

**Work/Hygienic Practices:** Follow accepted work and hygiene practices for handling a combustible material. Do not eat, drink, or smoke in areas where this product is used or stored. Wash hands prior to eating, drinking, or using restroom. Have eye wash stations and safety showers readily available.

**SECTION IX - Other Regulatory Information**

Toxic Substances Control Act (TSCA):

The components of this product are listed on the TSCA inventory.

Sara Title III Section 302/304 Extremely Hazardous Substance

None.

CERCLA Section 102(a) Hazardous Substance

Component	CAS#	% by wt	RQ (lbs)
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None.

Sara Title III Section 311 Hazard Categorization

Acute (x)   Chronic ( )   Fire (x)   Pressure ( )   Reactive ( )   NA ( )

SARA Title III Section 13 Supplier Information

Component	CAS#	% by wt.
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None.

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**\*\*HMIS** ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this MSDS must be considered.

**Comments:** 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, vapor, mists, or fumes should be minimized.

**Disclaimer:** The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Research Solvents & Chemicals, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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