

SECTION 1 – PRODUCT IDENTIFICATION**Chemical Name:** Quad-Lube II**Chemical Family:** Petroleum Hydrocarbons**Classification:** Penetrant**Product No:** CH021**Suppliers Name:** Lonestar Maintenance Chemicals**Emergency Phone:** 1-800-721-2448**Address:** P.O. Box 844, Buna TX 77612**SECTION 2 – INGREDIENTS**

Chemical Name	CAS #	PEL	TLV
Hydrocarbon Stoddard Solvent	8052-41-3	500	100
Trimethyl Benzene	25551-13-7	N/A	25
Ethyl Benzene	25550-14-5	N/A	100
Naphthalene	64742-88-7	N/A	10
Non-Hazardous Proprietary Mixture	Mixture	N/A	N/A

SECTION 3 – HAZARDS IDENTIFICATION**Potential Health Effects:****Eye Contact:** slightly irritating but does not injure eye tissue**Skin Contact:** Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. May aggravate an existing dermatitis condition.**Inhalation:** High vapor concentrations (well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, or other central nervous system effects, including death.**Ingestion:** Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.**Chronic Effects:**

This product contains ethylbenzene. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. This product contains naphthalene. The IARC evaluated naphthalene and concluded that there was sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Accordingly, IARC classified naphthalene as a possible human carcinogen. (group 2B). The US National Toxicology Program (NTP) has evaluated naphthalene and found that it may be reasonably anticipated to be a human carcinogen.

SECTION 4 – FIRST AID MEASURES**Skin:** Remove contaminated clothing. Flush exposed area with mild soap and water. Apply medicated skin cream if necessary.**Eyes:** Flush eyes with large quantities of water, holding eyelids open. If irritation persists, seek medical attention.**Inhalation:** Move to fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.**Ingestion:** Do NOT induce vomiting. Keep at rest. Seek prompt medical attention.**SECTION 5 – FIRE FIGHTING MEASURES****Flash Point:** >150°F TCC**Explosive Limits:** UEL: 5.5@77°F

LEL: 0.7

Approximate auto ignition temp: 504°F**Extinguishing Media:** foam, dry chemical, or water**Special Fire Fighting Procedures:** Avoid spraying water directly into storage containers due to danger of boil over. Liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.**Unusual Fire and Explosion Hazards:** Can form combustible mixtures at temperatures at or above the flashpoint. Static discharge can cause an incendiary electrical discharge. Empty containers retain product residue and can be dangerous. Do Not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may cause injury or death. Empty drums should be properly disposed of.**Decomposition products under fire conditions:** No unusual**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Land Spill:** Eliminate sources of ignition. Prevent additional discharge of material. For small spills, implement cleanup procedures. For large spills, implement cleanup procedures and, if in public area, keep public away and advise authorities. If this product is subject to CERCLA reporting, notify the National Response Center. Prevent liquid from entering sewers, waterways, or low areas. Contain spilled liquid with sand or earth. Do not use sawdust or combustible materials. Recover by pumping, using an explosion proof or hand pump, or with a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.**Water Spill:** Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface with suitable absorbents. If allowed by local authorities and environmental

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QUAD-LUBE II

agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 – HANDLING AND STORAGE

Steps to be taken in case material is spilled: Evacuate area, ventilate and avoid breathing vapors. Contain the spill. Mop up or otherwise absorb and hold in closed container for disposal.

Waste Disposal Method: Any method in accordance with local applicable law.

Precautions to be taken in handling and storing: Avoid possibility of contact with sparks or open flame, electric arcs or other hot emissions which may cause thermal decomposition. Keep containers 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 may accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Do NOT pressurize, cut, heat, or weld containers. Empty containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Read and understand the manufacturer's instructions and the precautionary label on this product.

Respiratory Protection:	Use only in well ventilated areas. NIOSH approved respirators for areas where concentration in air exceeds limits.	Ventilation:	Local exhaust, Provide mechanical ventilation of confined spaces	Protective Gloves:	Chemical resistant gloves, Neoprene, Nitrile or other impervious plastic.
Eyes:	Safety glasses with side shield	Other Protective Equipment:	Long sleeves	Work/Hygienic Practices:	N/A

SECTION 9 – PHYSICAL DATA

Boiling Point:	>300 F	Specific Gravity (H₂O = 1)	0.85
Vapor Pressure:	1.6	Vapor Density (Air = 1)	>1
Percent Volatile by Volume:	NA	Solubility in Water:	<0.01
Evaporation Rate (Water =1)	<1	Appearance & Odor:	Amber liquid, mild petroleum solvent odor.
PH:	N/A		

SECTION 10 – REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizers, concentrated oxygen

Hazardous decomposition: CO, or other innocuous fumes

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid excessive heat, open flames and all ignition sources.

Materials to Avoid: Oxidizing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION**Principle Routes of Exposure**

Ingestion: None known

Skin Contact: Prolonged or repeated contact may cause defatting and drying of the skin.

Inhalation: Vapors are moderately irritating to the respiratory passages. In rare cases may sensitize heart muscle causing heart arrhythmia. The liquid when accidentally aspirated into the lungs can cause a severe inflammation of the lung.

Eye Contact: Vapors are moderately irritating to the eyes.

Additional Information:**Acute Test of Product:**

Acute Oral LD50: >8ml/kg

Acute Dermal LD50: >4ml/kg(Rat)

Acute Inhalation LC50: >14100 mg/m³ for 4 hours (Rat)

Carcinogenicity:**Ingredients IARC - Carcinogens ACGIH - Carcinogens**

Solvent Naphtha

(petroleum), Medium Aliph.

Not listed. Not listed.

Carcinogenicity Comment: No additional information available.

Genotoxicity: Not Available.

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Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity: Not Available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological Information:**Ingredients Ecotoxicity - Fish Species****Data****Acute Crustaceans****Toxicity:****Ecotoxicity - Freshwater****Algae Data**

Solvent Naphtha

(petroleum), Medium Aliph.

Not Available. Not Available. Not Available.

Other Information: Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life. Biodegrades easily in water.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Waste management priorities (depending on volumes and concentration of waste) are : 1. recycle (reprocess), 2. energy recovery (cement kilns, thermal power generation), 3. incineration, 4. disposal at a licensed waste disposal facility. Do not attempt to combust waste on site. Incinerate at a licensed waste disposal site with approval of environmental authority.**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14 - TRANSPORT INFORMATION

DOT (U.S.):**DOT Shipping Name:** Petroleum Distillates, n.o.s. (Mineral Spirits)**DOT Hazardous Class** 3**DOT UN Number:** UN1268**DOT Packing Group:** III**DOT Reportable Quantity (lbs):** Not available.**Marine Pollutant:** No.**ICAO/IATA:****IATA Proper Shipping Name:** Petroleum Distillates, n.o.s. (Mineral Spirits)**IATA Hazard Class:** 3**UN Number:** UN1268**Packing Group:** III**IATA Label:** Flammable liquid.**Remarks:** No additional remark.**IMDG:**

IMDG Proper Shipping Name: Petroleum Distillates, n.o.s. (Mineral Spirits)**Hazard Class:** 3**UN Number:** UN1268**Packing Group:** III**Marine Pollutant:** No.**IMDG Label:** Flammable liquid.**Remarks:** Not regulated under the Transportation of Dangerous Goods Act when transported by road, rail or a ship on a domestic voyage, in packagings or containers of 450 L or less (waste excluded).**TDG (Canada):****TDG Proper Shipping Name:** Petroleum Distillates, n.o.s. (Mineral Spirits)**Hazard Class:** 3**UN Number:** UN1268**Packing Group:** III**Note:** Not regulated under the Transportation of Dangerous Goods Act when transported by road or rail in packagings or containers of 450 L or less (waste excluded).**Marine Pollutant:** No.

SECTION 15 REGULATORY INFORMATION

U.S. TSCA Inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.**U.S. Regulatory Rules****Ingredients CERCLA/SARA - Section**

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302:

SARA (311, 312) Hazard

Class:

CERCLA/SARA - Section

313:

Solvent Naphtha

(petroleum), Medium Aliph.

Not Listed. Not Listed. Not Listed.

California Proposition 65: Not Listed.

MA Right to Know List: Not Listed.

New Jersey Right-to-Know List: Not Listed.

Pennsylvania Right to Know List: Not Listed.

WHMIS Hazardous Class:

B3 COMBUSTIBLE LIQUIDS

D2B TOXIC MATERIALS

SECTION 16- OTHER INFORMATION

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

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state or local laws, rules, regulations or ordinances.
