

**SECTION 1 – IDENTIFICATION****Trade Name:** Link Lube**Chemical Family:** Mixed Hydrocarbons**Product No.:** CH005**Supplier's Name:** Lonestar Maintenance Chemicals**Emergency Phone:** 1-800-721-2448**Address:** P.O. Box 209, Buna, TX 77612**SECTION 2 – HAZARDS IDENTIFICATION****Effects of Overexposure**

<b>Acute:</b>	
<b>Eye Contact</b>	Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Based on testing of similar products and/or components, exposure to high concentrations of vapors may be irritating to the eyes.
<b>Skin Contact</b>	Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis, which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route. May be absorbed through skin.
<b>Inhalation</b>	Avoid prolonged inhalation of vapors. This product may be considered a low health hazard unless inhaled in very high concentrations. Acute and chronic exposure to vapors may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Exposure to even higher concentrations may lead to loss of consciousness and convulsions followed by death at extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur.
<b>Ingestion</b>	Do not ingest. Ingestion of small quantities is usually non-fatal unless aspiration occurs. <b>Do not induce vomiting due to aspiration hazard unless directed to do so by a physician.</b> Aspiration may lead to chemical pneumonitis, which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement includes increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing choking and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, weakness and nausea. Loss of consciousness and convulsions followed by death may result.
<b>Health Data:</b>	
<b>Chronic</b>	No information available.

**HAZARD IDENTIFICATIONS\***

	<b>HMIS Code</b>	<b>NFPA Code</b>	<b>Key:</b>
<b>Health</b>	1	1	4 = Severe
<b>Flammable</b>	0	0	3 = Serious
<b>Reactivity</b>	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

\*HMIS and NFPA 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 safe handling of this material, all the information contained in this MSDS must be considered.

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS****Notes:**

<b>TLV</b>	Threshold Limit Value	<b>TWA</b>	Time Weighted Average
<b>STEL</b>	Short-term Exposure Limit	<b>TPQ</b>	Threshold Planning Quantity
<b>RQ</b>	Reportable Quantity	<b>PEL</b>	Permissible Exposure Limit
<b>C</b>	Ceiling Limit	<b>CAS</b>	Chemical Abstract Service Number

<b>Components</b>	<b>Percentage by Weight</b>	<b>CAS No.</b>	<b>ACGIH (TLV-TWA)</b>	<b>OSHA (PEL-TWA)</b>
Severely Hydrotreated Napthenic Distillate	100%	64742-55-8	10 mg/m3	5 mg/m3 mist

02/22/13

## MATERIAL SAFETY DATA SHEET

**SECTION 4 – FIRST AID MEASURES**

<b>Eye Contact</b>	Flush eyes with large amounts of water and continue flushing until irritation subsides. <b>If irritation persists, seek immediate medical attention.</b>
<b>Skin Contact</b>	Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Use a hand or skin lotion to prevent dryness. If redness or irritation occurs, seek medical attention.
<b>Inhalation</b>	If victim exhibits signs of vapor intoxication remove to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if available. <b>If victim is unconscious, remove to fresh air and seek immediate medical attention.</b>
<b>Ingestion</b>	Do not induce vomiting due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. <b>Seek immediate medical attention.</b>

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	CO <sub>2</sub> , dry chemical, AFFF. Carbon dioxide will displace air in confined spaces and may cause an oxygen deficient atmosphere.
<b>Special Fire-Fighting Procedures</b>	Water may be ineffective but can be used to cool containers exposed to heat or flame. Use fog nozzle if water is used.
<b>Unusual Fire and Explosion Hazards</b>	Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Use personal protection recommended in Section 8 below. Isolate spill area and deny entry to unnecessary or unprotected personnel.
<b>Spills or Leaks</b>	Eliminate source of leak or spill. Confine area to clean up personnel. Ventilate confined area. Use explosion proof equipment. Minimize breathing vapors and skin contact. Absorb and/or confine liquid with sand, earth or other suitable material. Keep product out of sewer or watercourses. Advise authorities if product has entered or may enter waterways.
<b>Spill Waste Disposal</b>	Place in sealable containers. Reclaim or dispose of in accordance with local, state and federal regulations.

**SECTION 7 – HANDLING AND STORAGE**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor or fumes. Wash thoroughly after handling. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before re-use. <b>READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. DO NOT USE OR STORE NEAR FLAME, SPARKS, OR HOT SURFACES. USE ONLY IN WELL VENTILATED AREA. DO NOT WELD, HEAT, OR DRILL CONTAINER.</b> Tightly replace cap or bung. Emptied container may still contain hazardous or explosive vapor or liquid residuals. <b>CAUTION!</b> Do not use pressure to empty drum or explosion may result.
<b>Storage</b>	Must be stored in a sealable container. Store in cool well-ventilated area. Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flames, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum re-conditioner, or properly disposed of.

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

<b>Exposure Limits:</b>	
OSHA Permissible Exposure Limit (PEL):	5mg/m <sup>3</sup> mist over an 8 hour daily exposure
ACGIH Threshold Limit Value (TLV):	5mg/m <sup>3</sup> mist over an 8 hour daily exposure
<b>Personal Protection:</b>	
<b>Eyes</b>	Wear safety glasses with side shields when working with this material as a good safety practice. If this material is heated, wear chemical goggles or safety glasses and a face shield.
<b>Skin</b>	Wear protective clothing to minimize skin contact as a good industrial hygiene practice. Selection of protective clothing will depend on operations conducted. Consider physical requirements and other substances when selecting protective clothing. If this material is used at elevated temperatures, avoid contact with skin by wearing protective clothing, gloves and boots.

02/22/13

**MATERIAL SAFETY DATA SHEET**

<b>Respiratory</b>	No special respiratory protection is required. When vapors or fumes from heated materials are not adequately controlled, wear a NIOSH/MSHA approved respirator. Use the following elements for air-purifying respirators: Organic Vapor.
<b>Engineering Controls/ Ventilation</b>	Use in well-ventilated area. If heated material generates vapor, or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to control exposure. Ventilation requirements must be locally determined.
<b>Other Protective Equipment</b>	Wear other protective equipment as required to minimize skin contact.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Dark amber
<b>Odor</b>	Mild petroleum
<b>Solubility in Water</b>	Insoluble in water
<b>Specific Gravity</b>	0.90
<b>Flash Point and Method</b>	220° C      PMCC
<b>Auto-Ignition Temperature</b>	260° C / 500° F (based on component data)
<b>Flammable Limits in Air (%volume)</b>	LEL          0.90 (based on component data) UEL          7.0 (based on component data)
<b>Evaporation Rate (n-butyl Acetate = 1)</b>	0.15 (based on component data)
<b>Vapor Pressure</b>	< 0.013 MM HG @ 68° F (based on component data)
<b>Vapor Density (air = 1)</b>	> 2.0 @ 101kPa (based on component data)

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Strong oxidants, a heat source or open flame
<b>Materials to Avoid</b>	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
<b>Hazardous Decomposition</b>	Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.
<b>Hazardous Polymerization</b>	Polymerization will not occur.

**SECTION 11 -- TOXICOLOGY INFORMATION**

<b>Acute Exposure:</b>	
<b>Eye Effects</b>	May cause mild short-lasting discomfort to eyes. Wash thoroughly with water. (Based on data from components.)
<b>Skin Effects</b>	Prolonged or repeated skin contact may lead to skin irritation or dermatitis. (Based on data from components.)
<b>Respiratory Effects</b>	Negligible hazard at normal handling temperature. (Based on data from components.)
<b>Dermal Toxicity</b>	Minimally toxic. Toxicity (rabbits) > LD50 > 2000 mg/m3
<b>Inhalation Toxicity</b>	Toxicity (rats) > LC50 (1 hour) > 200 mg/m3
<b>Oral Toxicity</b>	Toxicity (rats) > LD50 > 2000 – 5000 mg/Kg
<b>Dermal Sensitization</b>	May cause skin sensitization in sensitive individuals.
<b>Inhalation Sensitization</b>	Not sensitizing in rest animals.
<b>Chronic Exposure:</b>	
<b>Chronic Toxicity</b>	No data available to indicate product presents a chronic health hazard.
<b>Carcinogenicity</b>	This product is not considered to be carcinogenic under IARC or OSHA standards.
<b>Mutagenicity</b>	No data available to indicate product presents a chronic health hazard.
<b>Reproduction Toxicity</b>	No data available to indicate product presents a reproductive hazard.
<b>Teratogenicity</b>	No data available to indicate product presents a reproductive hazard.
<b>Additional Information</b>	
<b>Conditions Aggravated</b>	People with severe skin problems should avoid skin contact. (Based on data from components.)

**SECTION 12 – ECOLOGICAL INFORMATION****Environmental Toxicity:**

<b>Freshwater Fish Toxicity</b>	Not determined
<b>Freshwater Invertebrates Toxicity</b>	Not determined
<b>Algal Inhibition</b>	Not determined
<b>Saltwater Fish Toxicity</b>	Not determined
<b>Saltwater Invertebrates Toxicity</b>	Not determined
<b>Bacteria Toxicity</b>	Not determined
<b>Miscellaneous Toxicity</b>	Not determined

**Environmental Fate:**

<b>Soil Mobility</b>	This product is a mobile liquid
<b>Persistence and degradability</b>	This product will slowly biodegrade
<b>Bioaccumulate</b>	This product does not accumulate or bio-magnify in the environment

**SECTION 13 – DISPOSAL CONSIDERATION**

**Waste disposal:** Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material. Dispose of in accordance to RCA, Federal, State and local regulations. This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

**SECTION 14 – TRANSPORT INFORMATION**

**U.S. Department of Transportation:** This description may not apply to all shipping situations.

<b>DOT:</b>	Not regulated
<b>Hazard Class:</b>	Not regulated

**International Information:**

<b>Sea (IMO):</b>	Not regulated for sea transportation
<b>Air (IATA)</b>	Not regulated for sea transportation

**SECTION 15 – REGULATORY INFORMATION****CERCLA**

**SARA Extreme Hazardous Substance:** This product does not contain any chemical substance known to be on the SARA Extreme Hazardous list.

**SARA 313:** This product contains no material known to be regulated under SARA Title III, Sect. 313.

**SARA 311 Classifications:**

1. Immediate (Acute) Health Effects: No
2. Delayed (Chronic) Health Effects: No
3. Fire Hazard: No
4. Sudden Release of Pressure Hazard: No
5. Reactivity Hazard: No

**TSCA Inventory Status:** This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**RCRA:** This material is not a hazardous waste material under RCRA Regulation 40 CFR 261.

**SECTION 16 – OTHER INFORMATION**

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.