



TECHNICAL RUBBER COMPANY  
 dba TECH INTERNATIONAL  
 200 EAST COSHOCTON STREET  
 P. O. BOX 486  
 JOHNSTOWN, OHIO 43031  
 (740) 967-9015 (ph.)  
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EFFECTIVE: 2007/02/28  
 SUPERCEDES: 4/13/04

MSDS NO.: 724  
 REVISION NO.: 5  
**HUB LUBE**

**MATERIAL SAFETY DATA SHEET**

**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: HUB LUBE  
 CATALOG NUMBER(S): 724  
 PRODUCT USE: TIRE LUBRICANT

FOR CUSTOMER SERVICE INFORMATION, CONTACT:  
 (740) 967-9015 or (800) 433-8324

EMERGENCY TELEPHONE NUMBER (24 hrs.):  
 CHEMTREC (800) 424-9300 International: (703) 527-3887

**SECTION 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS EXPOSURE LIMITS ARE TIME WEIGHTED AVERAGES (TWA). SHORT-TERM EXPOSURE LIMITS (STEL) AND CEILING (C) ARE INCLUDED IF ESTABLISHED.**

INGREDIENT (COMMON NAME)	CAS NO.	% (by vol.)	OSHA PEL	ACGIH TLV	NIOSH REL	AIHA WEEL
Triethanolamine	102-71-6	<1	*	5 mg/m3	*	*

EXPOSURE LIMITS ARE TIME WEIGHTED AVERAGES (TWA). SHORT-TERM EXPOSURE LIMITS (STEL) AND CEILING (C) ARE INCLUDED IF ESTABLISHED.

NOTES	
*	Not Established

**SECTION 3. HAZARDS IDENTIFICATION**

**Emergency Overview:**  
**Appearance & Odor:** Off-white liquid. Mild surfactant odor.  
**Health Hazards:** May cause eye and mild skin irritation.  
**Physical Hazards:** Carbon monoxide and carbon dioxide may form as a result of heating or burning.  
**R-Phrases:** R/36/38 Irritating to eyes and skin  
**S-Phrases:** S25 Avoid contact with eyes

<b>EYE CONTACT</b>	Exposure to product may cause eye irritation. Symptoms include stinging, tearing, redness and swelling.
<b>INHALATION</b>	Not a normal route of entry.
<b>INGESTION</b>	Single dose oral toxicity is low. Symptoms may include: gastrointestinal irritation (nausea, vomiting, diarrhea).
<b>SKIN CONTACT</b>	Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry skin. Symptoms include: redness, burning, drying, cracking and skin burns.
<b>TARGET ORGANS EFFECTED</b>	Skin, eyes, liver, kidney

**CARCINOGENICITY - LISTED BY:**

<b>ACGIH</b>	No	<b>IARC</b>	No	<b>NTP</b>	No	<b>OSHA</b>	No
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**SECTION 4. FIRST AID MEASURES**

<b>EYE CONTACT</b>	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes with water for at least 20 minutes while holding eyelids apart. If symptoms persist, seek medical attention.
<b>INHALATION</b>	Not a normal route of entry.
<b>INGESTION</b>	If swallowed, drink two large glasses of water to induce vomiting. Seek medical attention.
<b>SKIN CONTACT</b>	Wash exposed area with soap and water. If symptoms persist, seek medical attention.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>FLASH POINT AND METHOD</b>	Non Flammable
<b>LEL</b>	Not Established
<b>UEL</b>	Not Established
<b>EXTINGUISHING MEDIA</b>	Water, foam, carbon dioxide or dry chemical
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Carbon monoxide and carbon dioxide may form as a result of heating or burning.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>SMALL SPILL</b>	Absorb material with paper, vermiculite, floor absorbent, or other absorbing material. Transfer into approved container for disposal.
<b>LARGE SPILL</b>	Dike area of spill to prevent spreading. Absorb with appropriate materials. Transfer into approved containers for disposal. Do not dump into natural waterways.

**SECTION 7. HANDLING AND STORAGE**

Keep from freezing. Store in safe areas at room temperature. Do not incinerate containers.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>EYE PROTECTION</b>	Chemical splash goggles in compliance with OSHA regulations are advised, however OSHA regulations also permit other types of safety glasses. Consult your safety equipment representative.
<b>RESPIRATORY PROTECTION</b>	None should be required during normal use.
<b>SKIN PROTECTION</b>	Wear resistant gloves, such as: polyvinyl alcohol, nitrile.
<b>ENGINEERING CONTROLS</b>	Provide sufficient mechanical (general or local exhaust) ventilation to maintain exposure below OEL(s). Explosion-proof ventilation system is acceptable.
<b>OTHER HYGIENIC AND WORK PRACTICES</b>	Use good personal hygiene work practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash before reuse.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

INITIAL BOILING POINT	212 ° F (100° C) @ 760.00 mm Hg
VAPOR PRESSURE	Not Applicable
VAPOR DENSITY (air = 1)	>1
SPECIFIC GRAVITY (water = 1)	1.004
% VOLATILES	7.04
VOC CONTENT	0.47 lbs./ gal (55.8 g/L)
EVAPORATION RATE	Slower than ether
pH	8.8
APPEARANCE	Off-white liquid
ODOR	Mild surfactant odor

**SECTION 10. STABILITY AND REACTIVITY**

STABILITY	Stable
HAZARDOUS POLYMERIZATION	Cannot occur
INCOMPATIBILITY (materials or conditions to avoid)	Strong oxidizers, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide, carbon monoxide, various hydrocarbons

**SECTION 11. TOXICOLOGICAL INFORMATION**

No data is specifically available for this product and therefore this toxicological information is based on testing completed with ingredients.

**TOXICOLOGICAL DATA:**      **TRIETHANOLAMINE:** Oral Rat LD50: 8000 mg/kg; Irritation data: skin rabbit: 560 mg/24H mild; eye rabbit: 5620 ug severe. Investigated as a tumorigen and mutagen.

**SECTION 12. ECOLOGICAL INFORMATION**

This formulation has not been tested for environmental effects. This section will be updated as ecological reviews are completed.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal of material should be done in accordance with all Federal (40 CFR Part 261), State and Local environmental control regulations.

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**SECTION 14. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME (49 CFR 172.101)	Not DOT regulated
HAZARD CLASS (DOT, IATA)	Not Applicable
HAZARD CLASS (IMO)	Not Applicable
ID NUMBER	Not Applicable
PACKING GROUP	Not Applicable
ADDITIONAL DESCRIPTION	Not Applicable
LABELS REQUIRED	Not Applicable
EMERGENCY RESPONSE GUIDEBOOK NO.	Not Applicable
1996 NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER	Not Applicable
EmS NUMBER	Not Applicable
REPORTABLE QUANTITY (DOT)	Not Applicable

**SECTION 15. REGULATORY INFORMATION**

This product contains the following toxic substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (Emergency Planning and Community Right-To-Know Act) of 1986 and of 40 CFR Part 372:

CHEMICAL	CAS NO.	% COMPOSITION (by vol.)
Triethanolamine	102-71-6	<1

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 Chemical Substance Inventory List (40 CFR Part 710).

**STATE REGULATIONS**

The following chemicals are listed by individual states; other specific health and safety data in other sections of this MSDS may also be applicable for state requirements. For more details on state regulatory requirements contact the appropriate state agency.

**Florida, New Jersey, Minnesota, and Massachusetts** have the following chemical(s) on their Right-To-Know Chemical List:  
Triethanolamine (102-71-6) <1%

**INTERNATIONAL REGULATIONS**

**INVENTORY STATUS (components):**

**Triethanolamine:** Listed on the following international inventories: AICS (Australia), DSL (Canada), ECL (South Korea), EINICS (Europe), PICCS (Philippines).

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**SECTION 16. OTHER INFORMATION**

**NFPA AND HMIS RATINGS**

<b>HEALTH</b>	1	<b>FLAMMABILITY</b>	0	<b>REACTIVITY</b>	0
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**MSDS No.:** 724  
**Revision#:** 5  
**Revision Date:** 2007/02/28

**Revisions since last change (discussion):** This MSDS has been revised to meet the requirements of the following standards: EEC Directive 2001/58/EC (91/155/EEC), ANSI Z400.1-1993 and Canadian WHMIS and CPR. There are no changes to the health, safety, precautionary data, or regulatory data. We do, however, encourage you to take the opportunity to reread the sheet and review the information. This MSDS complies with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Prepared by: Tech International's Health and Safety Department

**The information contained herein is based on data from our raw material suppliers and other sources and is believed to be accurate. This information is provided in compliance with national and local regulations, where applicable, to give warning of actual and assumed hazards, and to inform of generally applicable precautions and control measures which are known to Tech International. Tech International makes no warranty or representation that the information is accurate, reliable, complete or representative and the Buyer may rely on thereon only at Buyer's own risk. Tech International warrants only that it has made no effort to censor, other than trade secret information, or to conceal hazards of its products.**

**It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.**

For 24-hour access to Tech International's MSDS documents:

- Also see [www.techtirerepairs.com](http://www.techtirerepairs.com) for latest MSDSs and instructions for use.

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