

MATERIAL SAFETY DATA SHEET: LUBRA-TORQUE PLUS

Section I - General Information

(000000-000000- - 633J)

Date of Issue:
8/31/2007 12:00:00 AM

Supercedes:
11/29/2006 12:00:00 AM

Chemical Name & Synonyms:
N/A

Trade Name & Synonyms:
LUBRA-TORQUE PLUS

Chemical Family:
Petroleum Mixture

Formula is a mixture: [✓]

Manufacturer Name:
CERTIFIED LABS, DIV. OF NCH CORP.

Manufacturer Address:
BOX 152170
IRVING, TEXAS 75015

Prepared By:
E LEVI/CHEMIST

Product Code Number:
633J

Emergency Phone Number:
800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
MINERAL OIL	IRRITANT	5 mg/m3 \$1	5 mg/m3 \$2	10 mg/m3\$1	8042-47-5
SOLVENT DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATE	IRRITANT	5 mg/m3 \$1	5 mg/m3 \$2	10 mg/m3\$1	\$\$
ZINC C1-C14 ALKYL DITHIOPHOSPHATE	IRRITANT	N/E 1	N/E 2	N/E 1	52585-16-7
HYDROTREATED MIDDLE PETROLEUM DISTILLATES	IRRITANT	5 mg/m3 \$1	5 mg/m3 #2	10 mg/m3\$1	64742-46-7
\$ Oil Mist Values					
\$\$ 64741-88-4, 64742-65-0, 64742-55-8, and 64742-89-5					

Section III - Physical Data

Boiling Point (°F): 550	Specific Gravity (H ₂ O=1): 0.91
Vapor Pressure (mm Hg): 0.02	Color: Red
Vapor Density (Air=1): 8.3	Odor: Petroleum
pH @ 100% : N/A	Clarity: Transparent
% Volatile by Volume: 0	Evaporation Rate (BuAc=1): 0.01
H ₂ O Solubility: Negligible	Viscosity: Semi-Viscous

Section IV - Fire and Explosion Hazard

Flash Point: 410°F
Flammable Limits: Petroleum Oil
LEL: N/E

Method Used: C.O.C.
UEL: N/E
Aerosol Level (NFPA 30B): N/A

Extinguishing Media:

[] Alcohol Foam

NFPA 704 Hazard Rating:

4-Extreme

Health: 1

<input checked="" type="checkbox"/> Foam	<input checked="" type="checkbox"/> CO2
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray
	<input type="checkbox"/> Other

3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

Unusual Fire and Explosion Hazards:

The use of water spray (fog) while effective, may cause frothing and foaming. Never use a water jet as this will just spread the fire. Use care as spills may be slippery.

Section V - Health and Hazard Data

Threshold Limit Value:

5 mg/m³ as Oil Mist

Effects of Overexposure:**Acute: (Short Term Exposure)**

EYE CONTACT: May cause irritation seen as tearing and redness.

SKIN CONTACT: May cause irritation seen as itching and redness. Prolonged or repeated contact as from clothing wet with material may cause drying, defatting, and cracking of the skin. Injection under the skin, in muscle, or into the blood stream can cause irritation, inflammation, swelling, fever, and systemic effects, and mild central nervous system depression. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor.

INHALATION: May cause respiratory irritation seen as coughing and sneezing.

INGESTION: May cause irritation with possible nausea, vomiting, and diarrhea.

Chronic: (Long Term Exposure)

On rare occasions, prolonged and repeated exposure to oil mist poses a risk of chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and coughing are the most common symptoms. Aspiration may lead to pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiration and heart rates as well as a bluish discoloration of the skin. Chronic skin contact may promote dermatitis and oil acne. In rarer cases, an increased sensitivity to sunlight (photosensitivity) may occur.

Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.

TARGET ORGANS: none known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

Primary Routes of Entry

<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	<input type="checkbox"/> Absorption
-------------------------------------	------------------------------------	-------------------------------------

Emergency First Aid Procedures:**Inhalation:**

Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Eye Contact:

Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

Skin Contact:

Wipe away material with a cloth. Wash with soap and water. Seek medical attention if irritation develops. Clean clothing and shoes.

Ingestion:

Give 3 to 4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.

Notes to Physician:

There is no specific antidote. Treat the patient symptomatically. In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC

NTP

OSHA

ACGIH

Other

VOC Content: 0% by weight; 0% by volume; 0 g/L

MINERAL OIL

ORL-RAT TD_{Lo}: 92 g/kg/92d-C 4.

ORL-RAT LD₅₀: > 5000 mg/kg 3.

SKN-RBT LD₅₀: > 2000 mg/kg 3.

EYE-RBT SDT: non-irritating 3.

SKN-RBT SDT: non-irritating 3.

BUEHLER GUINEA PIG SENSITIZATION TEST: non-sensitizing 3.

SKN-RBT SUB-CHRONIC: 28-day non-irritating 3.

SKN-MSE CHRONIC: 104-week no skin tumors at site of application 3.

MODIFIED AMES ASSAY (SALMONELLA TYPHIMURIUM): negative 3.

In-vitro mouse lymphoma assay negative to no toxicity 3.

Lifetime mouse skin painting studies indicated that this product is not mutagenic or carcinogenic. 3.

SOLVENT DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (<3% DMSO EXTRACTABLE MATERIAL)

ORL-RAT LD₅₀: >5 gm/kg 3.

IHL-RAT LC₅₀: >5 MG/l data for similar compound 3.

SKN-RBT Draized score between .5 and 3, non-irritating 3.

EYE-RBT Draized score between 6 and 15, non-irritating 3.

ZINC C1-C14 ALKYL DITHIOPHOSPHATE

No toxicity data available

HYDROTREATED MIDDLE PETROLEUM DISTILLATES

Mineral oil and hydrocarbon mists derived from highly refined oils and petroleum distillates are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation, and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested. These petroleum distillates are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. For this reason, they are not classified as cancer hazards. 3.

Section VII - Reactivity Data

Stability

Stable

Unstable

Conditions to Avoid:

Heat, Hot Surfaces, Sparks, and Open Flames.

Hazardous Polymerization

Will not occur

May occur

Conditions to Avoid:

N/A

Incompatibility (Materials to Avoid):

Strong oxidizing agents such as Chlorine bleach and concentrated Hydrogen Peroxide; Inorganic Nitrates, Organic Nitrogen Compounds, Nitrates, Nitrites, Acids.

Hazardous Decomposition Products:

Oxides of Carbon, Sulfur, Phosphorous, Zinc, and Calcium; Aldehydes, Hydrogen Sulfide, Methacrylate Monomers, Smoke.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

Wear appropriate protective clothing. Use care as spills may be slippery. Shut off source of leak. Dike and contain spill. Absorb with an inert material and transfer all material into a properly labeled container for disposal. Prevent product from contaminating soil or from entering sewage and drainage systems and bodies of water. Flush area with water.

Waste Disposal Method(s):

Dispose of in accordance with all Federal, state, and local regulations.

Neutralizing Agent:

N/A

Section IX - Special Protection Information**Required Ventilation:**

General ventilation is normally adequate. Local ventilation is recommended to control exposure from operations that can generate excessive levels of mists. Local ventilation is preferred, because it prevents dispersion into work areas by controlling it at its source.

Respiratory Protection:

None required under normal conditions of use. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). For concentrations above the TLV and/or PEL but less than 10 times these limits, a NIOSH approved half-facepiece respirator equipped with appropriate chemical cartridges may be used. For concentrations greater than 10 times the TLV and/or PEL, consult the NIOSH respirator decision logic found in publication No. 87-116 or ANSI Z88.2-1992.

Glove Protection:

Neoprene or nitrile rubber gloves if repeated or prolonged skin contact is likely. Ensure compliance with OSHA's personal protective equipment (PPE) standard for hand protection, 29 CFR 1910.138.

Eye Protection:

Safety glasses with side shields if the method of application presents the likelihood of eye contact. Ensure compliance with OSHA's Personal Protective Equipment (PPE) standard for eye and face protection, 29 CFR 1910.133.

Other Protection:

Wear general-duty work clothes and shoes. Remove oil soaked clothing and shoes. Wash clothing and clean shoes before re-use. A safety shower and an eyewash station should be available.

Section X - Storage and Handling Information**Storage Temperature**

Max: 120°F

Min: 0°F

Storage Conditions Indoors Outdoors Heated Refrigerated**Precautions to be Taken in Handling and Storing:**

Always store material in its original container. Keep the container tightly closed when not in use. Empty containers may contain product residues which may exhibit the hazards of the product. To avoid possible explosion do not pressurize, cut, weld, solder, drill, grind, or expose empty containers to heat, hot surfaces, sparks, or open flames. Ground and bond container when handling near flammable vapors and all sources of ignition. Bulk storage: for maximum product life, store indoors. Outdoor storage tip: store containers on their side to help prevent water accumulation on a flat end and consequent product contamination.

Other Precautions:

Keep out of reach of children. Read the entire label before using the product. Follow the label directions.

Section XI - Regulatory Information**Chemical Name**

Zinc Compounds

CAS Number

N/A

Upper % Limit

10

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. Threshold Limit Values for chemical substances and physical agents and biological exposure indices, ACGIH, 2007.
2. OSHA PEL.
3. Vendor's MSDS.

4. Registry of toxic effects of chemical substances, CCINFOWeb, 2007.

5. European Chemical Substances Information System (ESIS), International Uniform Chemical Information Database (IUCLID) Chemical Data Sheets.

All the components of this product are in compliance with the Toxic Substances Control Act (TSCA) and are either listed on the TSCA inventory or otherwise exempted from listing.

IRR: Irritant, OSHA: Occupational Safety & Health Administration, IARC: International Agency for the Research on Cancer, TOX: Toxic, NFPA: National Fire Protection Association, ppm: Parts Per Million, UEL: Upper Explosion Limit, STEL: Short-term Exposure Limit, SKN: Skin, IHL: Inhalation, COMB: Combustible, CORR: Corrosive, MUT: Mutagenic, CARC: Carcinogenic, N/A: Not Applicable, TLV: Threshold Limit Value, NE: Not Established, ORL: Oral, FLAM: Flammable, ASPHYX: Asphyxiant, C.O.C.: Cleveland Open Cup, PNOR: Particles Not Otherwise Regulated, LEL: Lower Explosion Limit, mg/L: Milligrams per Liter, PNOS: Particles Not Otherwise Specified, g/L: Grams per Liter, PMCC: Pensky-Martin Closed Cup, NTP: National Toxicology Program, µg/L: Micrograms per Liter, TCC: Tagliabue Closed Cup, SEV: Severe, RBT: Rabbit, INV: Intravenous, ACGIH: American Conference of Governmental Industrial Hygienists, PEL: Permissible Exposure Limit, MOD: Moderate, IPT: Intraperitoneal, gm/kg: Grams per Kilogram, C.C.C.: Cleveland Closed Cup, HMN: Human, mg/m3: Milligrams per Cubic Meter, mg/kg: Milligrams per Kilogram, VOC: Volatile Organic Compound, SDT: Standard Draize Test, MSE: Mouse, GPG: Guinea Pig.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CERTIFIED LABS, DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage, or disposal of the product.

©2007 NCH Corporation All rights reserved.