

MATERIAL SAFETY DATA SHEET FOR LYRAN U SERIES (All grades)

TOTAL Lubricants USA Southwest
400 Chisholm Place, Suite 418
Plano, Texas 75075

TOTAL Lubricants USA, Inc.
5 N. Stiles Street
Linden NJ 07036

REVISION DATE
N/A

DATE ISSUED
1-June-2009

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: LYRAN U SERIES (all grades)
(SUS grades)
PRODUCT #: 1-16407 to 1-16409; 1-16423; 1-16425
CHEMICAL NAME: Petroleum-based lubricating oil
CAS #'S: Mixture
PRODUCT APPEARANCE AND ODOR: Amber liquid, petroleum odor
CHEMICAL FAMILY: Petroleum hydrocarbon
SYNONYMS: Technical white oils
EMERGENCY TELEPHONE: 1-800-442-5823 or 1-908-862-9300

COMPONENTS AND HAZARD INFORMATION

COMPONENTS: W/W HAZARD DATA (TLV, LD50, LC50, ETC.):
Petroleum based lubricating oil 5 mg/m3 TWA (OSHA, ACGIH)
CAS# 8042-47-5; 64742-54-7; (as an oil mist)
64742-55-8

* Paraffinic base oil used are not limited to but include these CAS numbers.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):
Health Flammability Reactivity
0 1 0

TRANSPORTATION INFORMATION

TRANSPORTATION/SHIPPING INFORMATION:

Department of Transportation (DOT): Not regulated

EMERGENCY FIRST AID

EYE CONTACT:
If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN CONTACT:
As with all petroleum products, if this product contacts skin, wash affected area thoroughly with soap and water to prevent irritations from occurring. Oil soaked clothing should be removed and laundered frequently to minimize skin contact with product. Prolonged contact with skin may cause irritation.

INHALATION:
Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposure to oil mist, remove from further exposure until excessive oil mist condition subsides.

INGESTION:
If ingested, do not induce vomiting. Call a physician immediately.

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BOILING RANGE:
Wide range

VAPOR PRESSURE:
< 0.1 @ 38°C/100°F

SPECIFIC GRAVITY (25°C/25°C):
(WATER = 1)
< 1.0

VAPOR DENSITY (AIR = 1):
> 8

MOLECULAR WEIGHT:
Wide range

PERCENT VOLATILE BY VOLUME:
Negligible

EVAPORATION RATE @ 1 ATM. AND 25°C
(77°F) (n-BUTYL ACETATE = 1):
< 1.0

SOLUBILITY IN WATER @ 1 ATM. and 25°C
(77°F):
Negligible

POUR, CONGEALING OR MELTING POINT:
n/e

FREEZING POINT:
n/e

REACTIVITY

This product is stable and will NOT react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes, smoke, carbon monoxide and other decomposition products, in case of incomplete combustion.

CONDITIONS TO AVOID:
Open flames.

TOXICITY

ORAL (Acute) N/E
DERMAL (Acute) N/E
EYE N/E
INHALATION (Acute) N/E

CHRONIC, SUBCHRONIC, ETC. N/E

Medical Conditions Aggravated by Exposure: Unknown

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.

SARA Section 313 Status: This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1.0 percent or carcinogenic chemical on that list at a concentration greater than 0.1 percent.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep product out of sewers and watercourses by diking or impounding. Absorb with sand or inert material. Sweep or scoop up and remove. Prevent spread of spill. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with local regulations.

