

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME:

CAS NUMBER: MIXTURE

ADDRESS:

EMERGENCY TELEPHONE NO.:

NFPA HAZARD IDENTIFICATION
DEGREE OF HAZARD HAZARD RATINGS
HEALTH: 1 0-LEAST
FIRE: 1 1-SLIGHT
REACTIVITY: 0 2-MODERATE
 3-HIGH
 4-EXTREME

TRADE NAME: LINK-BELT DIESEL ENGINE OIL 15W-40

SYNONYMS: NONE

EFFECTIVE DATE: MAY 14, 2002

2. INGREDIENTS

COMPONENT NAME CAS NUMBER	HAZARDOUS		PERCENTAGE		COMPONENT EXPOSURE LIMIT	UNIT
	IN BLEND		MIN	MAX		
BASE LUBRICATING OILS MIXTURE	NO		80	TO 85	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
DETERGENT/INHIBITOR SYSTEM MIXTURE	NO		10	TO 15	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
VISCOSITY INDEX IMPROVER MIXTURE	NO		5	TO 10	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
POUR POINT DEPRESSANT MIXTURE	NO			< 1	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT

3. HEALTH INFORMATION AND PROTECTION

EYE CONTACT: THIS PRODUCT IS PRACTICALLY NON-IRRITATING TO THE EYES UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

- SKIN CONTACT:** AVOID SKIN CONTACT. THIS PRODUCT IS MINIMALLY IRRITATING TO THE SKIN 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. PROLONGED OR REPEATED CONTACT MAY RESULT IN OIL ACNE WHICH IS CHARACTERIZED BY BLACKHEADS WITH POSSIBLE SECONDARY INFECTION. SEE HEALTH DATA SECTION BELOW.
- INHALATION:** THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE PERMISSABLE EXPOSURE LIMIT (PEL) AND THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS OIL MIST IS 5 MG/M3. EXPOSURES BELOW 5 MG/M3 APPEAR TO BE WITHOUT SIGNIFICANT HEALTH RISK. THE SHORT-TERM EXPOSURE LIMIT FOR THIS PRODUCT AS AN OIL MIST IS 10 MG/M3.
- INGESTION:** DO NOT INGEST. THIS PRODUCT IS RELATIVELY NON-TOXIC BY INGESTION. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA. SEE HEALTH DATA SECTION BELOW.
- HEALTH DATA:** ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF PULMONARY DISEASE SUCH AS CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGH ARE THE MOST COMMON SYMPTOMS.
- THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS CONCLUDED THERE ARE INADEQUATE DATA TO EVALUATE THE CARCINOGENICITY TO EXPERIMENTAL ANIMALS OF THIS CLASS OF PRODUCTS. THUS THIS PRODUCT BELONGS TO IARC CLASSIFICATION GROUP 3, "NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS." THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.
- FOR GASOLINE-ENGINE MOTOR OILS ONLY. AVOID SKIN CONTACT WITH USED MOTOR OILS. THE IARC HAS CONCLUDED THERE IS SUFFICIENT EVIDENCE THAT USED GASOLINE-ENGINE MOTOR OILS PRODUCE SKIN TUMORS IN EXPERIMENTAL ANIMALS.

4. EMERGENCY & FIRST AID PROCEDURES

- EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.
- SKIN CONTACT:** REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY.
- INHALATION:** THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS.
- INGESTION:** DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

7. REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): STABLE
CONDITIONS TO AVOID: NONE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY MATERIALS TO AVOID: MAY REACT WITH STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

8. ENVIRONMENTAL PRECAUTIONS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: CONSULT HEALTH EFFECT INFORMATION IN SECTION III, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION V, FIRE PROTECTION INFORMATION IN SECTION VI, AND REACTIVITY DATA IN SECTION VII. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

WASTE DISPOSAL METHOD: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

9. MISCELLANEOUS

HANDLING AND STORAGE REQUIREMENTS: DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS. THIS PRODUCT IS NOT A CONTROLLED SUBSTANCE UNDER THE CANADIAN WHMIS REGULATIONS.

ADDITIONAL INFORMATION: THIS MIXTURE MAY BE FORMULATED IN PART WITH COMPONENTS PURCHASED FROM OTHER COMPANIES. IN MANY INSTANCES, ESPECIALLY WHEN PROPRIETARY OR TRADE SECRET MATERIALS ARE USED, VISCOSITY OIL COMPANY MUST RELY UPON THE HAZARD EVALUATION OF SUCH COMPONENTS SUBMITTED TO VISCOSITY OIL BY THAT PRODUCT'S MANUFACTURER OR IMPORTER.

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THIS PRODUCT CONTAINS THE FOLLOWING SARA TITLE III, SECTION 313 CHEMICALS:
ZINC COMPOUNDS CAS# NONE WT. 1.35%

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ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

DOT: NOT REGULATED.

10. PHYSICAL PROPERTIES

BOILING POINT:	NO DATA AVAILABLE	PERCENT VOLATILE:	NIL
MELTING POINT:	NOT APPLICABLE	VAPOR DENSITY	
		(AIR=1):	> 5
APPEARANCE:	CLEAR AMBER OILY LIQUID	EVAPORATION RATE	
		(EE=1):	NIL
ODOR:	MILD PETROLEUM ODOR	SPECIFIC GRAVITY:	0.88
VAPOR PRESSURE:	< 0.01 MM HG @ 68 F	MOLECULAR WEIGHT:	NO DATA
SOLUBILITY:	INSOLUBLE IN WATER		

DISCLAIMER OF WARRANTY:

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