

Material Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: XL-1®

Manufacturer:
Intercontinental Lubricants Corp./
Spectro Oils of America
993 Federal Road
Brookfield, CT 06804
(203) 775-1291 Fax: (203) 775-8720

MSDS Date of Preparation: 4/05/2000

SECTION 2 PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT. %	EXPOSURE LIMITS
Tetrapotassium Pyrophosphate	7320-34-5	1-10	None Established
Poly Nonyl Phenyl Ethoxylate	9016-45-9	1-10	None Established
Ethoxylate Alcohol Phosphate Ester	68130-47-2	1-5	None Established
C8-C10 Ethoxylated Alcohol	68439-45-2	1-5	None Established
Sodium Dimethylbenzenesulfonate	1300-72-7	1-5	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a clear, water white liquid with an alcohol odor. May cause mild eye and skin irritation. Accidental ingestion may cause gastrointestinal effects with nausea and diarrhea.

HEALTH HAZARDS:

INHALATION: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation with coughing or sneezing.

SKIN CONTACT: Prolonged or repeated skin contact may cause irritation.

EYE CONTACT: May cause mild irritation with redness and tearing.

INGESTION: Swallowing large amounts may cause gastrointestinal irritation with nausea.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact may cause dermatitis.

CARCINOGENICITY: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No adverse effects expected.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eye with water for at least 15 minutes while lifting the upper and lower lids. Get medical attention.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES (continued)

SKIN CONTACT: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops.

INHALATION: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

INGESTION: Do not induce vomiting. Get immediate medical attention by calling a Poison Control Center or hospital emergency department.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

FLASH POINT: None

METHOD: TCC

FLAMMABLE LIMITS: (vol % in air) Not determined

AUTOIGNITION TEMPERATURE: Not established

EXTINGUISHING MEDIA: Use media appropriate for surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective equipment. Pick up for reuse or collect using an absorbent material and place in a suitable container for disposal, or if permitted, flush spill area with water. Product may cause area may be slippery.

SECTION 7 HANDLING and STORAGE

Avoid eye and prolonged/repeated skin contact. Avoid breathing vapors and mists. Wash exposed skin with soap and water after use. Keep container closed. Keep out of reach of children.

Protect containers from physical damage. Store in a cool area away from oxidizers.

Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal use conditions with adequate ventilation.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

GLOVES: Rubber or other impervious gloves are recommended where prolonged or repeated skin contact is likely.

EYE PROTECTION: Safety glasses or goggles recommended.

OTHER PROTECTIVE EQUIPMENT: Impervious apron, boots and other clothing are recommended if needed to avoid prolonged/repeated skin contact. Suitable washing facilities should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@ 760 mmHg): ~212°F
SPECIFIC GRAVITY (H₂O=1): 1.10
VAPOR PRESSURE (@ 20 C mm Hg): ~18
WATER SOLUBILITY: Complete
EVAPORATION RATE ():: >1
APPEARANCE AND ODOR: Clear, water white liquid with an alcohol odor.

MELTING POINT: Not available
VOLATILE: Not available
(VAPOR DENSITY (AIR=1): >1
pH: 9.2
COEFFICIENT OF WATER/OIL: Not available

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.
CONDITIONS TO AVOID: Avoid excessive heat and open flames.
INCOMPATIBILITY: Avoid strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide and nitrogen oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY VALUES: Tetrapotassium Pyrophosphate: LD50 Dermal rabbit: >4,640 mg/kg
Poly Nonyl Phenyl Ethoxylate: LD50 Oral rat: 1310 mg/kg
LD50 Dermal rabbit: 2 mL/kg
C8-C10 Ethoxylated Alcohol: LD50 Oral mouse: >528 mg/kg
Sodium Dimethylbenzenesulfonate: No data available
Ethoxylate Alcohol Phosphate Ester: No data available

None of the components is listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.
None of the components have been found to be mutagenic.
None of the components are known to cause sensitization in animals or humans.
None of the components are known to cause adverse reproductive effects or teratogenic effects in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

There is no ecotoxicity data available for this product at this time.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION: Not Regulated
DOT HAZARD CLASSIFICATION: None
DOT LABELS REQUIRED (49CFR172.101): None
UN NUMBER: None

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

SECTION 15: REGULATORY INFORMATION (continued)

EPA SARA 311 HAZARD CLASSIFICATION: Acute Hazard

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:
None

WHMIS CLASSIFICATION: Class D 2 Subdivision B - Toxic material causing other chronic effects.
This product has been classified in accordance with the hazard criteria in the CPR and the MSDS contains all the information required by the CPR.

EU CLASSIFICATION: Not a dangerous preparation.

EU RISK AND SAFETY PHRASES: None

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemicals which are known to the State of California to cause cancer:

Ethylene Oxide	75-21-3	<0.000623%
1,4-Dioxane	123-91-1	<0.00059%
Acetaldehyde	75-07-0	<0.00036%
Formaldehyde	50-00-0	<0.000024%

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 1 Fire: 0 Reactivity: 0