

# SAFETY DATA SHEET

ILFC Ten06 (1006) CONTAC

VERSION: 1.2

SDS DATE: 04/30/18

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ILFC Ten 06 (1006) CONTAC  
**SYNONYMS:** Water Displacing, Corrosion Inhibiting Lubricant

**MANUFACTURER:** International Lubrication and Fuel Consultants (ILFC, Inc.)  
**ADDRESS:** 521 Quantum Road, Rio Rancho, NM 87124

**EMERGENCY/INFOTRAC PHONE:** +1-800-535-5053, +1-352-323-3500 (outside USA)  
**OTHER CALLS:** +1-505-892-1666 (M-F, 8:30 am-4:30 pm MST)  
**FAX:** +1-505-892-9601

**CHEMICAL NAME:** Water Displacing, Corrosion Inhibiting Lubricant  
**CHEMICAL FAMILY:** Not Applicable  
**CHEMICAL FORMULA:** Complex Mixture

**PRODUCT USE:** Corrosion Inhibiting Lubricant  
This material should not be used for any purpose other than the intended use.  
**PREPARED BY:** ILFC, Inc.

## SECTION 2: HAZARDS IDENTIFICATION

**GHS CLASSIFICATION**

- Flammable liquids, Category 2
- Acute toxicity, Oral, Category 4
- Skin corrosion/irritation, Category 2
- Serious eye damage/eye irritation, Category 2
- Acute toxicity, Inhalation, Category 4
- Specific target organ toxicity-single exposure, Category 3
- Specific target organ toxicity-repeated exposure, Category 2



### HAZARD SUMMARY

**DANGER!**

#### HAZARD STATEMENTS

##### *Physical Hazards*

H225 Highly flammable liquid and vapor.

##### *Health Hazards*

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs <liver, CNS, respiratory tract> through prolonged or repeated exposure.

#### PRECAUTIONARY STATEMENTS

##### *Prevention*

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proff electrical/ventilating/lighting/equipment.

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## SECTION 2: HAZARDS IDENTIFICATION (cont.)

P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands and any exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<i>Response</i>	
P301+P314+P331	IF SWALLOWED: Get medical advice/attention if you feel unwell. Do NOT induce vomiting.
P303+P361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P306+P363	IF ON CLOTHING: Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use carbon dioxide foam, dry chemical or smart media extinguisher to extinguish.
P312	Call a POISON CENTER/doctor if you feel unwell.
<i>Storage</i>	
P403+P404	Store in a well ventilated place. Store in a closed container.
<i>Disposal</i>	
P501	Dispose of contents/container to a chemical landfill as approved by current, local, state and federal laws and regulations.

### NFPA HAZARD CLASSIFICATION:

HEALTH: 2      FLAMMABILITY: 3      REACTIVITY: 0      OTHER: None

### ROUTES OF ENTRY:

Eyes  
Skin  
Ingestion  
Inhalation

### ACUTE HEALTH HAZARDS:

No data is available for ILFC Ten06 as it is a complex mixture. Possible symptoms of exposure may include the following.

#### ETHYL ACETATE:

EYES – Causes serious eye irritation.

SKIN – No data available.

INGESTION – No data available.

INHALATION – This substance may cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

#### PROPRIETARY RUST INHIBITOR:

EYES – May cause irritation.

SKIN – Causes skin irritation.

INGESTION – Harmful if swallowed.

INHALATION – Harmful if inhaled.

#### 1-DECENE, HOMOPOLYMER, HYDROGENATED:

EYES – No data available.

SKIN - No data available.

INGESTION –Aspiration into the lungs may cause lung damage.

INHALATION – No data available.

#### TITANIUM IV 2-PROPANOLATO, TRIS (DIOCTYL) PYROPHOSPHATE-O:

EYES - Will cause eye irritation.

SKIN – Prolonged or repeated skin contact will cause severe skin irritation.

INGESTION –Aspiration into the lungs may cause lung damage.

## SECTION 2: HAZARDS IDENTIFICATION (cont.)

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**INHALATION** – This substance has the potential of being a respiratory tract irritant.

## ETHYLENE GLYCOL MONOBUTYL ETHER:

**EYES** - Can cause serious eye damage, eye irritation.

**SKIN** - Brief contact may cause irritation. Repeated exposure may cause irritation, even a burn.

**INGESTION** – Moderate toxicity if swallowed. Aspiration into the lungs during ingestion may cause injury to other body systems.

**INHALATION** - This substance has the potential of being a respiratory tract irritant.

## ALKYLATED DIPHENYLAMINES:

**EYES** – No data available.

**SKIN** - No data available.

**INGESTION** - No data available.

**INHALATION** – No data available.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u>	<u>CONCENTRATIONS</u>
Ethyl Acetate (CAS# 141-78-6)	75 –99%
Proprietary Rust Inhibitor (Mixture)	1-10%
1-decene, homopolymer, hydrogenated (CAS #68037-01-4)	1-10%
Titanium IV 2-Propanolato, tris (dioctyl) pyrophosphate-O (CAS #68585-78-4)	<= 5 %
Ethylene Glycol Monobutyl Ether (CAS #111-76-2)	<= 5%
Alkylated Diphenylamines (CAS #68608-77-5)	<= 5%
Thiophenediyl Benzoxazole (CAS #7128-64-5)	<= 1%

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with copious amounts of water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. If eye irritation persists, get medical attention.

**SKIN:** Wash with soap and water for at least 15 minutes. Remove contaminated clothing. Wash contaminated clothing before re-use.

**INGESTION:** Do not induce vomiting, keep warm, get medical attention if you feel unwell.

**INHALATION:** Remove to fresh air. If breathing is impaired, get medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** If swallowed, DO NOT induce vomiting due to the risk of aspiration.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLASH POINT:** 25°F PMCC  
**FLAMMABILITY:** Flammable Liquid  
**UPPER EXPLOSION LIMIT:** No Data Available  
**LOWER EXPLOSION LIMIT:** No Data Available

**EXTINGUISHING MEDIA:** Carbon dioxide foam, dry chemical or smart media extinguisher.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus. Do not extinguish with water.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may explode when heated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Irritating and/or toxic fumes including carbon monoxide, carbon dioxide, and metal oxide/oxides may be released.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Clean spill with absorbent material and place in container for disposal according to local regulations. Use full face NIOSH approved organic respirator if odor is prevalent. Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** Use with adequate ventilation. Avoid breathing vapors. Wearing protective gloves and eye protection is recommended. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

**STORAGE:** Protect from physical damage. Store in a cool, dry ventilated area away from incompatible materials and food and drink. Keep in original container or a properly labeled and approved alternative made from compatible material.

**OTHER PRECAUTIONS:** Containers may be hazardous when empty. Do not cut, grind, weld or drill on or near empty containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>CHEMICAL NAME</u>	<u>REGULATION</u>	<u>TYPE OF LISTING</u>	<u>VALUE</u>
Ethyl Acetate	ACGIH OSHA NIOSH	TLV PEL (TWA) TWA	400 ppm 400 ppm 400 ppm
Proprietary Rust Inhibitor	ACGIH OSHA NTP / IARC / OSHA	TWA PEL Carcinogenicity	0.5 mg/m <sup>3</sup> 0.5 mg/m <sup>3</sup> N.D.A.*
1-decene, homopolymer, hydrogenated	ACGIH OSHA NTP / IARC / OSHA	TLV (inhalation) PEL Carcinogenicity	5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> No
Titanium IV 2-Propanolato, tris (dioctyl) pyrophosphate-O	ACGIH OSHA	TWA STEL TWA STEL	Not Established Not Established Not Established Not Established
Ethylene Glycol Monobutyl Ether	ACGIH OSHA	TWA PEL	20 ppm 50 ppm skin
Alkylated Diphenylamines	ACGIH OSHA NTP / IARC / OSHA	TWA TWA Carcinogenicity	N.D.A.* N.D.A.* N.D.A.*
Thiophenediyl Benzoxazole	ACGIH OSHA NTP / IARC / OSHA	TWA TWA Carcinogenicity	N.D.A.* N.D.A.* N.D.A.*

\*N.D.A. No Data Available

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas. Use non sparking equipment.

**VENTILATION :** Use local exhaust to maintain levels below TWA/TLV limits.

**RESPIRATORY PROTECTION:** Use NIOSH approved organic respirator if odor is prevalent.

**EYE PROTECTION:** Wear safety glasses or goggles.

**SKIN PROTECTION:** Wear as appropriate: Chemical resistant apron, protective suit, boots.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear chemical resistant (nitrile, butyl rubber, neoprene) gloves.

**WORK HYGIENIC PRACTICES:** Facilities storing or utilizing this material should be equipped with an eyewash station.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White to Amber Liquid
ODOR:	Sweet
ODOR THRESHOLD:	No Data Available
pH:	No Data Available
MELTING POINT:	No Data Available
BOILING RANGE:	No Data Available
FLASH POINT:	25°F PMCC
EVAPORATION RATE:	No Data Available
FLAMMABILITY:	Flammable Liquid
UPPER EXPLOSION LIMIT:	No Data Available
LOWER EXPLOSION LIMIT:	No Data Available
VAPOR PRESSURE:	No Data Available
VAPOR DENSITY:	No Data Available
DENSITY:	No data available.
SOLUBILITY IN WATER:	Slight
PARTITION COEFFICIENT:	No Data Available
DECOMPOSITION TEMPERATURE:	No Data Available
VISCOSITY:	No data available

## SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid open flames, sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents, acids, amines, peroxides.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon and phosphorous.

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID POLYMERIZATION: None known based on information available.

## SECTION 11: TOXICOLOGICAL INFORMATION

No data is available for ILFC Ten06 as it is a complex mixture. The information provided is based on profiles of raw materials of similar composition.

Ethyl acetate is an eye irritant. The acute oral LD50 (rat) is >5000 mg/kg. The acute dermal LD50 (rabbit) is >18,000 mg/kg. The acute inhalation LC50 (rat) is 58 mg/kg, 8 hours.

CARCINOGENICITY:	NTP-No Data Available	IARC- No Data Available	OSHA- No Data Available
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The proprietary rust inhibitor may cause eye irritation. The acute oral LD50 (rat) is >1750 mg/kg. The acute dermal LD50 is >10000 mg/kg. The acute inhalation LC50 (rat) is 21 mg/l, 1 hours.

CARCINOGENICITY:	NTP-NO	IARC- NO	OSHA- NO
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1-decene, homopolymer, hydrogenated may cause skin and eye irritation. The acute oral LD50 (rat) is >5000 mg/kg. The acute dermal LD50 (rabbit) is >2000 mg/kg. The acute inhalation LC50 is not known.

CARCINOGENICITY:	NTP-NO	IARC-NO	OSHA-NO
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Titanium IV 2-propanolato, tris (dioctyl) pyrophosphate-O is an eye irritant. The acute oral LD50 is >5000 mg/kg.

CARCINOGENICITY:	NTP-No Data Available	IARC- No Data Available	OSHA- No Data Available
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## SECTION 11: TOXICOLOGICAL INFORMATION (cont.)

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Ethylene glycol monobutyl ether may cause severe eye irritation. The acute oral LD50 (guinea pig) is 1400 mg/kg. The acute oral LD50 (male rat) is 1746 mg/kg. The acute dermal LD50 (guinea pig) is >2000 mg/kg. The acute dermal LD50 (rat) is 2270 mg/kg. The acute inhalation LC50 (rat) is 700 ppm vapor, 7 hours.

CARCINOGENICITY: ACGIH – Confirmed animal carcinogen Group A3

The alkylated diphenylamines acute oral LD50 (rat) is >5000 mg/kg. The acute dermal (rabbit) is >2000 mg/kg.

CARCINOGENICITY: NTP-No Data Available IARC- No Data Available OSHA- No Data Available

Thiophenediyl Benzoxazole presents no significant hazards when protective procedures are followed.

CARCINOGENICITY: NTP-NO IARC- NO OSHA- NO

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## SECTION 12: ECOLOGICAL INFORMATION

No data is available for ILFC Ten06 as it is a complex mixture. The information provided is based on profiles of raw materials of similar composition.

### ETHYL ACETATE:

Ecotoxicity in water (LC50): 230 mg/l 96 hours (Fathead Minnow).

Ecotoxicity in water (EC50): 165 mg/l 48 hours (Daphnia magna).

Readily biodegradable.

### PROPRIETARY RUST INHIBITOR:

Ecotoxicity in water (LC50): > 0.26 mg/l 96 hours (Fish).

Ecotoxicity in water (EC50): 0.16 mg/l 48 hours (Daphnia magna).

### 1-DECENE, HOMOPOLYMER, HYDROGENATED:

No data is available for this material.

### TITANIUM IV 2-PROPANOLATO, TRIS (DIOCTYL) PYROPHOSPHATE-O:

No data is available for this material.

### ETHYLENE GLYCOL MONOBUTYL ETHER:

Ecotoxicity in water (LC50): 1700 mg/l 96 hours (Rainbow trout).

Ecotoxicity in water (EC50): > 10000 mg/l 24 hours (Daphnia magna).

Readily biodegradable

### ALKYLATED DIPHENYLAMINES:

No data available for this material.

### THIOPHENEDIYL BENZOXAZOLE:

Ecotoxicity in water (LC50): > 100 mg/l 96 hours (Brachy danio rerio).

Ecotoxicity in water (EC50): > 100 mg/l 48 hours (Daphnia magna).

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## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Incinerate or dispose of waste in a chemical landfill as approved by current, local, state and federal laws and regulations.

RCRA HAZARD CLASS: No Data Available

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## SECTION 14: TRANSPORT INFORMATION

DOT/ IATA/ IMDG –NON BULK CONTAINERS (119 Gal. or less each)

PROPER SHIPPING NAME: Ethyl Acetate Solution

UN NUMBER: UN 1173

HAZARD CLASS: 3

PACKING GROUP: II

RQ (Ethyl Acetate)

DOT ERG: 129

IATA ERG: 3L

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

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## SECTION 15: REGULATORY INFORMATION

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## U.S. FEDERAL REGULATIONS

OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION): This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

WHMIS: This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (USCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): This material is regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. This material is or contains chemical(s) listed in 40 CFR Table 302.4 or nondesignated RCRA ICR substance(s). (Nondesignated ICR substances apply to materials that will not be reused). Releases in excess of reportable quantity must be reported to the National Response Center (1-800-424-8802) and the appropriate state and local emergency response organizations.

SARA TITLE III: SECTION 311/312 HAZARD CATEGORIES: Acute Health Hazard. Chronic Health Hazard. Fire Hazard.

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## SECTION 16: OTHER INFORMATION

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DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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