



**Material Safety Data Sheet
#114 IHTG 700 Grease**

Issue Date: 10/5/98

Revised: 6/3/08

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Frontier Performance Lubricants, Inc.
PO Box 1777
Lodi, CA 95241**

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Product Name: **IHTG 700 Grease #114**
Chemical Name: Petroleum Oil, Lithium & Calcium
Common Name: Lubricating Grease

CAS #: Mixture

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

FLUORO CARBON FLUID(S)	PROPRIETARY	<70
FLUORO POLYMER	PROPRIETARY	>30

PLEASE NOTE THAT THE CHEMICAL IDENTITY OF SOME OR ALL OF THE ABOVE HAZARDOUS INGREDIENTS IS CONFIDENTIAL INFORMATION AND MAY BE WITHHELD AS PERMITTED BY 29CFR 1910.1200 AND VARIOUS STATE RIGHT TO KNOW LAWS.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

HEALTH	FLAMMABILITY	REACTIVITY
1	0	0

EXPOSURE LIMITS:

OIL MIST: ACGIH: TLV/TWA - ND, TLV/STEL - ND
OSHA: PEL/TWA - ND, PEL/CEILING - NONE

SECTION 3: HAZARD IDENTIFICATION

Variable among individuals:

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health Risks which may vary from person to person. As a precaution, exposure to greases, liquids, vapors, mists or fumes Should be minimized.

Effects of overexposure (signs and symptoms of exposure):

Skin:

This material may be slightly irritating to the skin. It may cause skin irritation and /or allergic skin reaction. Prolonged and Repeated contact may lead to various skin disorders such as dermatitis, oil acne, or folliculitis. Persons with pre-existing skin Disorders may be more susceptible to the effects of this material. Based on data from components or similar materials.

Eye:

This product may cause mild eye irritation. Direct exposure to vapors may cause stinging, tearing and redness. May Aggravate existing conjunctivitis of the eye. Based on data from components or similar materials.

Ingestion:

Ingestion via minor contamination on fingers or food is not likely to cause significant discomfort or adverse affects. Gross amounts may cause irritation of the digestive tract (Due to product consistency), nausea and vomiting. Aspiration Into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

Respiratory:

Inhalation of vapors or mists may be harmful. Purposely breathing high concentrations of heated vapors may cause Light headedness and nausea, irritate mucosal membranes of mouth, nose and throat: and aggravate existing Respiratory diseases.



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SECTION 4: PRIMARY ROUTES OF ENTRY/EMERGENCY AND FIRST AID PROCEDURES

Eye contact: Yes

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Get medical Attention if irritation persists or develops.

SKIN

Unlikely to be absorbed under normal conditions of use.

In case of skin contact, remove any contaminated clothing and wipe excess off. Wash skin with soap and water or a waterless hand leaner followed by soap and Water. Launder or dry-clean clothing before reuse and discard shoes and other Leather articles saturated with the material. Get medical attention if irritation Persists or develops.

INHALATION

Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

INGESTION:

Yes, but very unlikely

DO NOT INDUCE VOMITING, because material can enter the lungs and cause severe damage. Slowly drink 8 to 12 ounces of water and seek immediate medical attention. If vomiting occurs, or if comatose or lethargic, place on the left side with the head down. Seek immediate medical attention and treat for gastric distress.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 35C (455F) COC (min)

UPPER FLAMMABILITY LIMIT: Not Determined

LOWER FLAMMABILTY LIMIT: Not determined

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:

Carbon dioxide, dry chemical, foam or water fog. Water spray can be used to cool and protect containers exposed To heat and flame. Treat as oil fire. Product will float on surface of water.

Special firefighting procedures: Recommend wearing positive pressure self-contained breathing apparatus. Do not Enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the Ground to a distant ignition source and flash back.

Unusual fire & explosive Hazards: Slightly combustible when heated above flash point. Will release flammable Vapors which can burn in open or be explosive in confined spaces if exposed to ignition.

Decomposition products under fire condition: Fumes, smoke, carbon mono & dioxide, and other products of Incomplete combustion. Oxides of lithium, antimony, sulfur, phosphorus, zinc, and molybdenum may be formed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove sources of ignition. Immobilize with dry absorbent. Minimize skin contact. Keep product out of sewers And watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses,

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Or extensive land areas. Assure conformity with applicable governmental regulations.

Waste Disposal:

Waste disposal should be in compliance the all Federal, State, and Local laws. Material, if discarded, is not expected To be hazardous waste under RCRA. Best method is incineration.

SECTION 7: HANDLING AND STORAGE

Store in a cool dry location. Keep away from potential sources of ignition. Keep away from incompatible materials. Avoid breathing vapors, or prolonged or repeated skin contact. Wash thoroughly after handling. Remove any Contaminated clothing and launder before reuse.

"Empty Container Warning"

"Empty" containers retain residue (semi-solid, liquid and or vapor) and can be dangerous. Do not pressurize, cut, weld, braze solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition: The may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained or scraped clean. Properly closed and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 8: PROTECTION AND PRECAUTIONS

Ventilation:

Provide ventilation sufficient to prevent exceeding recommended exposure limit. Use local or mechanical exhaust to Capture vapor or fumes, if necessary. No smoking, flame or other ignition sources.

Respiratory Protection:

Under normal use conditions, respirator is not required. Use NIOSH/MSHA approved disposable dust/mist mask Or air-purifying respirator for organic vapors and particulates if the recommended exposure limit is exceeded. Use Self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large Spill clean-up sites.

Protective Gloves:

Use chemical resistant (high nitrile) gloves to avoid prolonged or repeated skin contact

Eye Protection:

Use splash goggles or face shield when eye contact may occur.

Other Protective Equipment:

Use chemical resistant boots and aprons or other impervious clothing, if needed, to avoid contaminating regular Clothing. Long sleeve shirt is recommended.

Work Practices:

Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

Personal Hygiene:

Minimize breathing vapor or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated Clothing: launder before reuse. Remove contaminated shoes and thoroughly clean before re-use: Discard If oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
1.60 - 1.70 @ 15.6°C/15.6°C

VAPOR PRESSURE:
negligible

% VOLATILE BY VOLUME:
NIL

VAPOR DENSITY (AIR=1)
NOT AVAILABLE

SOLUBILITY IN WATER:
NEGLIGIBLE

EVAPORATION RATE (n-BUTYL ACETATE =1)
NEGLIGIBLE

ODOR:
ODORLESS

APPEARANCE: opaque solid white

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

AVOID CONTACT WITH: AQUEOUS LEWIS ACIDS ABOVE 100°C

SECTION 11: ENVIRONMENTAL INFORMATION

Reportable quantity (RQ) EPA regulation 40 CFR 302 (CERCLA Section 102): None

Sara Title III:

Section 313 reportable ingredients: None

This product contains the following ingredient(s) which are listed under sara section 313 at or above the Deminimis concentration levels: None

Section 311/312:

Immediate health

California Prop 65: None

This material is not manufactured to contain chemicals known to the State of California to cause cancer or Birth defects or other reproductive harm.

SECTION 12: TRANSPORTATION

DOT Proper Shipping name: Lubricating Grease – Class 65

DOT Hazard Class: Not regulated

DOT UN Number: Not Applicable



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SECTION 13: OTHER INFORMATION

The information and recommendations herein are, to the best of our knowledge and belief, are accurate and reliable

As of the date issued. Frontier Performance Lubricants, Inc does not warrant or guarantee their accuracy of reliability, And shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's Responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, Legal counsel should be consulted to insure proper health, safety and other necessary information is included in the Container.