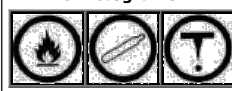


View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

WHMIS Pictograms



SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

(N/A)

Product Name: I-Chem White Lithium Grease (##ICA725)

Distributor Name: Amrep, Inc.

Distributor Address: 990 Industrial Park Drive
Marietta, GA 30062D.O.T. Emergency Phone:
CHEM TEL (800) 255-3924
INTERNATIONAL: +01-813-248-0584

Distributor Telephone: (770) 422-2071

Hours Of Operation: (Mon - Fri / 8am - 5pm ET)

Revision Date: October 24, 2007
Revision #: 1.0

Expiry Date: October 24, 2010

Manufacturer Name: Amrep, Inc.

Address: 990 Industrial Park Drive
Marietta, GA 30062D.O.T. Emergency Phone:
CHEM TEL (800) 255-3924
INTERNATIONAL: +01-813-248-0584

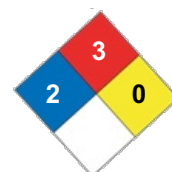
General Use: Product Use: Lubricant.

Business Phone: (770) 422-2071

Hazard Rating:
0 = Minimal
1 = Slight
2 = Moderate
3 = Severe
4 = Extreme

Product Codes: A00725

NFPA



HMIS

| | |
|------------|---|
| HEALTH | 2 |
| FIRE | 3 |
| REACTIVITY | 0 |
| PPE | B |

[To Top of page](#)

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

(N/A)

| Ingredient Name | CAS# | Ingredient Percent |
|---|------------|--------------------|
| Acetone | 67-64-1 | 10 - 30% by Weight |
| EC Index Number: | 1 | |
| Heptane | 142-82-5 | 10 - 30% by Weight |
| EC Index Number: | 1 | |
| Isobutane | 75-28-5 | 10 - 30% by Weight |
| EC Index Number: | 1 | |
| Propane | 74-98-6 | 7 - 13% by Weight |
| EC Index Number: | 1 | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 1 - 5% by Weight |
| EC Index Number: | 1 | |

[To Top of page](#)

SECTION 3 : HAZARDS IDENTIFICATION

(N/A)

Emergency Overview:

DANGER

EXTREMELY FLAMMABLE. HARMFUL BY INHALATION.
MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.
CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

| | |
|---------------------------|--|
| Environment Hazards: | May cause long-term adverse effects in the aquatic environment. See Section 12 for more information. |
| Potential Health Effects: | See Section 11 for more information. HMIS: See Section 15 |

Applies to All Ingredients :

| | |
|---|---|
| Route of Exposure: | Skin contact, eye contact, inhalation, and ingestion. |
| Potential Health Effects: | |
| Eye Contact: | May cause eye irritation. |
| Skin Contact: | May cause skin irritation. |
| Inhalation: | Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. |
| Ingestion: | Not a normal route of exposure. Harmful: may cause lung damage if swallowed. |
| Chronic Health Effects: | Prolonged or repeated contact may dry skin and cause irritation. |
| Target Organs: | Skin, eyes, gastrointestinal tract, respiratory system. |
| Signs/Symptoms: | Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapours may cause drowsiness and dizziness. |
| Aggravation of Pre-Existing Conditions: | Asthma. Allergies. |

[To Top of page](#)



SECTION 4 : FIRST AID MEASURES : (N/A)

| | |
|---------------------|--|
| Eye Contact: | In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn. |
| Skin Contact: | In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. |
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. |
| Ingestion: | If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. |
| Note to Physicians: | Symptoms may not appear immediately. |
| Other First Aid: | General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible). |

[To Top of page](#)



SECTION 5 : FIRE FIGHTING MEASURES : (N/A)

| | |
|-------------------------------------|--|
| Fire: | Flammability: Flammable by WHMIS/OSHA criteria. |
| Flash Point: | Not available. |
| Upper Flammable or Explosive Limit: | Not available. |
| Lower Flammable or Explosive Limit: | Not available. |
| Auto Ignition Temperature: | Not available. |
| Extinguishing Media: | Suitable Extinguishing Media: Powder, foam, carbon dioxide. |
| Unsuitable Media: | Unsuitable Extinguishing Media: Water. |
| Hazardous Combustion Byproducts: | May include, and are not limited to: oxides of carbon. |
| Fire Fighting Instructions: | Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). |
| Sensitivity to Impact: | Sensitivity to Mechanical Impact: Not available. |
| Static Discharge Effects: | Sensitivity to Static Discharge: Not available. |

[To Top of page](#)



SECTION 6 : ACCIDENTAL RELEASE MEASURES : (N/A)

| | |
|----------------------------|--|
| Personal Precautions: | Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket. |
| Spill Cleanup Measures: | Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere. |
| Environmental Precautions: | Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. |
| Other Precautions: | Not available. |

[To Top of page](#)



SECTION 7 : HANDLING and STORAGE : (N/A)

| | |
|-----------|--|
| Handling: | Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking. |
| Storage: | Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49 deg C/120 deg F. |

Hygiene Practices: General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

[To Top of page](#)



SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

: (N/A)

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Skin Protection Description: Wear suitable protective clothing.

Hand Protection Description: Wear suitable gloves.

Eye/Face Protection: Wear eye/face protection.

Protective Clothing/Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

HMIS: See Section 15

Ingredient Guidelines

Ingredient: Acetone

Guideline Type: OSHA PEL-TWA
Guideline Information: 1000 ppm
Guideline Type: ACGIH TLV-TWA
Guideline Information: 500 ppm

Ingredient: Distillates (petroleum), hydrotreated light

Guideline Type: OSHA PEL-TWA
Guideline Information: 100 ppm
Guideline Type: ACGIH TLV-TWA
Guideline Information: 200 mg/m³

Ingredient: Heptane

Guideline Type: OSHA PEL-TWA
Guideline Information: 400 ppm
Guideline Type: ACGIH TLV-TWA
Guideline Information: 400 ppm

Ingredient: Isobutane

Guideline Type: OSHA PEL-TWA
Guideline Information: Not available.
Guideline Type: ACGIH TLV-TWA
Guideline Information: Not available.

Ingredient: Propane

Guideline Type: OSHA PEL-TWA
Guideline Information: 1000 ppm
Guideline Type: ACGIH TLV-TWA
Guideline Information: 1000 ppm

[To Top of page](#)



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

Physical State/Appearance: Opaque.

Color: White.

Odor: Characteristic.

Physical State: Gas/Pressurized Liquid.

pH: Not applicable.

Vapor Pressure: Not available.

Vapor Density: Not available.

Flash Point: Not available.

Auto Ignition Temperature: Not available.

Upper Explosive Limit: Not available.

Lower Explosive Limit: Not available.

Boiling Point: Not available.

Freezing Point: Not available.

Solubility: In Water: Partial.

Specific Gravity: 0.77 (Concentrate only)

Evaporation Point: Not available.

Percent Volatile: wt. %: Not available.

Volatile Organic Compound Content: wt. %: 50% (US federal/CARB/OTC/LADCO)

Viscosity: Not available.

Odor Threshold: Not available.

Coefficient of Water/Oil Distribution: Not available.

[To Top of page](#)



SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Incompatibilities with Other Materials: Oxidizers.

Reactivity: Conditions of Reactivity: Heat. Incompatible materials.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Hazardous Decomposition Products:

May include, and are not limited to: oxides of carbon.

[To Top of page](#)



SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to all ingredients:

Eye Effect:

ACUTE: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Effects:

ACUTE: May cause skin irritation. Handling can cause dry skin.

Ingestion Effects:

ACUTE: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation Effects:

ACUTE: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

Chronic Effects:

Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity:

Not hazardous by WHMIS/OSHA criteria.

Mutagenicity:

Not hazardous by WHMIS/OSHA criteria.

Teratogenicity:

Not hazardous by WHMIS/OSHA criteria.

Embryo Toxicity:

Not hazardous by WHMIS/OSHA criteria.

Sensitization:

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Reproductive Toxicity:

Not hazardous by WHMIS/OSHA criteria.

Other Toxicological Information:

Target Organs: Not available.

Toxicologically Synergistic Materials: Not available.

Acetone :

Ingestion Effects:

LD50 (oral): 5800 mg/kg, rat

Inhalation Effects:

LC50: Not available.

Carcinogenicity:

Chemical Listed as Carcinogen or Potential Carcinogen *: Not listed.

Heptane :

Ingestion Effects:

LD50 (oral): Not available.

Inhalation Effects:

LC50: 103 g/m³ 4hrs, rat

Carcinogenicity:

Chemical Listed as Carcinogen or Potential Carcinogen *: Not listed.

Isobutane :

Ingestion Effects:

LD50 (oral): Not available.

Inhalation Effects:

LC50: Not available.

Carcinogenicity:

Chemical Listed as Carcinogen or Potential Carcinogen *: Not listed.

Propane :

Ingestion Effects:

LD50 (oral): Not available.

Inhalation Effects:

LC50: Not available.

Carcinogenicity:

Chemical Listed as Carcinogen or Potential Carcinogen *: Not listed.

Distillates (petroleum), hydrotreated light :

Ingestion Effects:

LD50 (oral): > 5000 mg/kg, rat

Inhalation Effects:

LC50: Not available.

Carcinogenicity:

Chemical Listed as Carcinogen or Potential Carcinogen *: I -3, G-A3

Comments:

* See Section 15 for more information.

[To Top of page](#)



SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

Ecotoxicity:

May cause long-term adverse effects in the aquatic environment

Bioaccumulation:

Bioaccumulation / Accumulation: Not available.

Biodegradation:

Persistence / Degradability: Not available.

Mobility in Environment: Not available.

[To Top of page](#)



SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)

Waste Disposal:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

[To Top of page](#)



SECTION 14 : TRANSPORT INFORMATION

: (N/A)

DOT Hazard Class:

ORM-D

Canadian Hazard Class:

Limited Quantity

[To Top of page](#)



SECTION 15 : REGULATORY INFORMATION

: (N/A)

Applies to All Ingredients :

OSHA 29 CFR 1200:

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

State:

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Canada WHMIS:

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification(s):
Class A - Compressed Gas
Class B5 - Flammable Aerosol
Class D2B - Skin/Eye Irritant

HMIS - Hazardous Materials Identification System:
Health - 2
Flammability - 3
Physical Hazard - 0
PPE - B

NFPA - National Fire Protection Association:
Health - 2
Fire - 3
Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Acetone :

TSCA 8(b): Inventory Status (Yes/No): Yes
Section 302 Extremely Hazardous Substances (TPQ): (lbs.): Not listed.
Section 304 EHS RQ: (lbs.): Not listed.
Section 304 CERCLA RQ: 5,000 lbs.
Section 313 Toxic Release Form: Section 313: Not listed.

Canada DSL: Yes

Heptane :

TSCA 8(b): Inventory Status (Yes/No): Yes
Section 302 Extremely Hazardous Substances (TPQ): (lbs.): Not listed.
Section 304 EHS RQ: (lbs.): Not listed.
Section 304 CERCLA RQ: (lbs.): Not listed.
Section 313 Toxic Release Form: Section 313: Not listed.

Canada DSL: Yes

Isobutane :

TSCA 8(b): Inventory Status (Yes/No): Yes
Section 302 Extremely Hazardous Substances (TPQ): (lbs.): Not listed.
Section 304 EHS RQ: (lbs.): Not listed.
Section 304 CERCLA RQ: (lbs.): Not listed.
Section 313 Toxic Release Form: Section 313: Not listed.

Canada DSL: Yes

Propane :

TSCA 8(b): Inventory Status (Yes/No): Yes
Section 302 Extremely Hazardous Substances (TPQ): (lbs.): Not listed.
Section 304 EHS RQ: (lbs.): Not listed.
Section 304 CERCLA RQ: (lbs.): Not listed.
Section 313 Toxic Release Form: Section 313: Not listed.

Canada DSL: Yes

Distillates (petroleum), hydrotreated light :

TSCA 8(b): Inventory Status (Yes/No): Yes
Section 302 Extremely Hazardous Substances (TPQ): (lbs.): Not listed.
Section 304 EHS RQ: (lbs.): Not listed.
Section 304 CERCLA RQ: (lbs.): Not listed.
Section 313 Toxic Release Form: Section 313: Not listed.

Canada DSL: Yes

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:
OSHA (O): Occupational Safety and Health Administration.

ACGIH (G): American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

IARC (I): International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N): National Toxicology Program.
1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

[To Top of page](#)



SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

HMIS:

Health Hazard: 2 = Moderate
Fire Hazard: 3 = Severe
Reactivity: 0 = Minimal
Personal Protection: B

NFPA:

Health: 2 = Moderate
Fire Hazard: 3 = Severe
Reactivity: 0 = Minimal

MSDS Revision Date: October 24, 2007
Revision #: 1.0

Expiry Date: October 24, 2010

MSDS Author:

Prepared by: Nexreg Compliance Inc.
Prepared for: Amrep, Inc.
Phone: (770) 422-2071 (Mon - Fri / 8am - 5pm ET)

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Hazard Rating:

0 = Minimal
1 = Slight
2 = Moderate
3 = Severe
4 = Extreme

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[To Top of page](#)

