



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product identifier</b>	<b>LPS® ThermaPlex® Hi-Load Bearing Grease</b>	
<b>Version #</b>	01	
<b>Issue date</b>	02-24-2015	
<b>CAS #</b>	Mixture	
<b>Part Number</b>	C70414, C70406, C70435, C70455	
<b>Product use</b>	A lubricating grease intended for bearings in industrial applications involving extreme loads.	
<b>Manufacturer information</b>	ITW Pro Brands 4647 Hugh Howell Rd Tucker, Georgia 30084 United States www.lpslabs.com 1-800-241-8334/ 770-243-8800 Chemtrec 1-800-424-9300	
<b>Supplier</b>	Not available.	

## 2. Hazards Identification

<b>Emergency overview</b>	Contact with eyes may cause irritation. May be irritating to the skin.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Skin contact. Eye contact. Ingestion.
<b>Eyes</b>	Contact with eyes may cause irritation.
<b>Skin</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Inhalation</b>	Health injuries are not known or expected under normal use.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest.

## 3. Composition / Information on Ingredients

The components are not hazardous or are below required disclosure limits.

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical powder. Water fog. Foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Fire fighting equipment/instructions</b>	Use water spray to cool unopened containers.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	None known.

<b>Sensitivity to mechanical impact</b>	None known.
<b>Hazardous combustion products</b>	May include oxides of carbon.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the MSDS.
<b>Methods for containment</b>	Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

<b>Handling</b>	Use care in handling/storage.
<b>Storage</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the MSDS).

## 8. Exposure Controls / Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Occupational Exposure Limits are not relevant to the current physical form of the product.
<b>Engineering controls</b>	Not available.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Not normally needed.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.

## 9. Physical & Chemical Properties

<b>Appearance</b>	
<b>Physical state</b>	Solid.
<b>Form</b>	Paste.
<b>Color</b>	Grey. Black.
<b>Odor</b>	Hydrocarbon-like.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Vapor pressure</b>	< 0.13 kPa
<b>Vapor density</b>	< 1 (air = 1)
<b>Boiling point</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	0.87, 7.506 (lbs/gal) @ 15°C
<b>Flash point</b>	400.0 °F (204.4 °C) Cleveland Open Cup
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>VOC</b>	1 % w/w ASTM D-972
<b>Evaporation rate</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Explosive limit - lower (%)</b>	Not applicable.

**Explosive limit - upper (%)** Not applicable.

**Flammability (solid, gas)** Not applicable.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Contact with incompatible materials.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Carbon oxides.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Toxicological data</b>	No data available.
<b>Acute effects</b>	Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
<b>Sensitization</b>	Not classified.
<b>Chronic effects</b>	None known.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductive effects</b>	This product is not expected to cause reproductive or developmental effects.
<b>Teratogenicity</b>	Not available.
<b>Symptoms and target organs</b>	Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort.
<b>Synergistic materials</b>	Not available.
<b>Further information</b>	This product has no known adverse effect on human health.

## 12. Ecological Information

<b>Ecotoxicological data</b>	No ecotoxicity data noted for the ingredient(s).
<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Aquatic toxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	Not available.
<b>Partition coefficient</b> > 1	
<b>Other adverse effects</b>	None known.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

<b>TDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**15. Regulatory Information****Canadian regulations**

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status**

Non-controlled

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other Information****Prepared by**

Not available.