

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION					
<b>NFPA Rating:</b> Health-1; Flammability-3; Reactivity-0; Special- -			<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B		
<b>Manufactured For:</b> Hillyard Industries, Inc. Address: 302 N. 4 <sup>th</sup> Street Address: St. Joseph, MO 64501			<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <p style="text-align: center;"><b>I-Force White Lithium Grease</b>                      (# HIL0110554)</p>		
Phone: <b>(816)-233-1321 ext. 8285</b> or <a href="http://www.hillyard.com">http://www.hillyard.com</a>			<b>MSDS Number:</b> A00725		Revision- 13
<b>EMERGENCY RESPONSE NUMBER:</b> Chemtrec 1-800-424-9300 <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>			Date Prepared: 11/16/00      Prepared By: KD/IB Information Calls: (770) 422-2071		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)					
	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HEXANE	110-54-3	Yes	50	50	d
LITHIUM GREASE	7620-77-1	No	N/E	N/E	d
ISOBUTANE	75-28-5	No	800	800	d
PROPANE	74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
<b>Boiling Point:</b> N/A			<b>Specific Gravity</b> (H <sub>2</sub> O=1): Concentrate Only = .78		
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): 46 psig			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A		
<b>Vapor Density</b> (Air = 1): N/E			<b>Evaporation Rate</b> ( = 1): N/E		
<b>Solubility in Water:</b> Nil			<b>Water Reactive:</b> No		
<b>Appearance and Odor:</b> White with solvent odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>EXTREMELY FLAMMABLE</b>		<b>Auto Ignition Temperature</b> N/E		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E	
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A <b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide.		<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use water fog to cool containers to prevent rupturing and bursting.			
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture. Provide shielding to protect personnel.					
SECTION 4 - REACTIVITY HAZARD DATA					
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR		
<b>Incompatibility</b> (Mat. to avoid): Oxygen & oxidants.			<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.		
<b>Hazardous Decomposition Products:</b> Carbon dioxide, carbon monoxide.					
SECTION 5 - HEALTH HAZARD DATA					
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS					
ACUTE EFFECTS					
<b>Inhalation:</b> Can cause headaches, dizziness.					
<b>Eye Contact:</b> Irritation			<b>Skin Contact:</b> Can cause skin defatting.		
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs.					
CHRONIC EFFECTS: None known.					
<b>Medical Conditions Generally Aggravated by Exposure:</b> Asthma.					
EMERGENCY FIRST AID PROCEDURES					
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.					
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.					
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.					
<b>Ingestion: DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
<b>Respiratory Protection (specify type):</b> Not normally needed.					
<b>Protective Gloves:</b> Solvent resistant.			<b>Eye Protection:</b> Safety glasses.		
<b>Ventilation Requirements:</b> Normal room ventilation.					
<b>Other Protective Clothing &amp; Equipment:</b> None					
<b>Hygienic Work Practices:</b> Wash with soap and water after contact.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Cover with absorbent material and sweep up. Wash area to prevent slipping. Incinerate or landfill according to local, state or federal regulations.					
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.					
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.					
<b>Other Precautions &amp;/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.</b>					

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only