MATERIAL SAFETY DATA SHEET

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

IDENTITY AND D	DISTRIBU	TOR'S INFORMATION					
NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special-B HMIS Rating: Health-2; Flammability-3; Reactivity-0; Personal Protection-B							
Manufactured For: Hillyard Industries, Inc.	D	DOT Hazard Classification: ORM-D					
Address: 302 N. 4 th Street		Identity (trade name as used on label):					
Address: St. Joseph, MO 64501		I-Force Silicone Lubricant					
- Nacional		(# HIL0110654)					
Phone: (816)-233-1321 ext. 8285 or http://www.hillyard.com		MSDS Number: A00325 Revision- 9					
		Date Prepared: 08/22/01 Prepared By: ES/KD/RC					
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA Information Calls: (770)422-2071							
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION							
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (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	
POLY-DIMETHYLSILOXANE		63148-62-9	No	N/E	N/E	d	
CYCLOHEXANE		110-82-7	Yes	300	300	d	
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d	
		74-98-6	No	1000	1000	d	
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS							
Boiling Point: N/A Specific Gravity (H2O=1): Concentrate Only = 0.695							
Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60 Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A						Δ	
Vapor Density (Air = 1): N/E	vaporation Rate (
Solubility in Water: Insoluble		Water Reactive: No					
Appearance and Odor: Clear colorless spray with solvent odor.							
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA							
FLAMMABILITY as per USA FLAME PROJECTION TEST							
(aerosols) EXTREMELY FLAMMABLE	710101	N/E	l l	% LEL: N/E % UEL: N/E			
FLASH POINT AND METHOD USED (non-aerosols): N/A	SI	SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.					
Use water fog to prevent rupturing & exploding containers. Provide shielding							
EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.						· ·	
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.							
SECTION 4 - REACTIVITY HAZARD DATA							
STABILITY [X] STABLE [] UNSTABLE HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR							
Incompatibility (Mat. to avoid): Strong oxidizing agents. Conditions to Avoid: Open flame, welding arcs, heat, sparks.							
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.							
SECTION 5 - HEALTH HAZARD DATA							
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS							
ACUTE EFFECTS							
Inhalation: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation.							
Eye Contact: Irritation. Skin Contact: Irritation due to defatting of skin.							
Ingestion: Possible chemical pneumonitis if aspirated into lungs.							
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Excessive inhalation of hexane may cause nerve damage.							
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.							
EMERGENCY FIRST AID PROCEDURES							
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.							
Skin Contact: Wash with soap and water. If irritated, seek medical attention.							
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.							
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.							
SECTION 6 - CONTROL AND PROTECTIVE MEASURES Page instance Protection (enceity type): If your concentration exceeds TLV use reprinter approved by NIOSH in a positive procesure made							
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in a positive pressure mode. Protective Gloves: Neoprene Eye Protection: Safety glasses recommended.							
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.							
Other Protective Clothing & Equipment: None							
Hygienic Work Practices: Wash with soap and water before handling food.							
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE							
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT							
FLUSH TO SEWER. CAUTION: Silicone makes surfaces slippery. Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.							
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.							
other i recautions aron special nazarus. NEEF OUT OF REACH OF	Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Remove ignition sources.						

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