

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					
NFPA Rating: Health-1; Flammability-3; Reactivity-0; Special- -			HMIS Rating: Health-1; Flammability-3; Reactivity-0; Personal Protection-B		
Manufactured For: Hillyard Industries, Inc. Address: 302 N. 4 th Street Address: St. Joseph, MO 64501			DOT Hazard Classification: ORM-D Identity (trade name as used on label): I-Force Red Grease (# HIL0110754)		
Phone: (816)-233-1321 ext. 8285 or http://www.hillyard.com			MSDS Number: A00727 Revision- 10		
EMERGENCY RESPONSE NUMBER: Chemtrec 1-800-424-9300 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			Date Prepared: 06/06/03 Prepared By: AH/IB 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)
PETROLEUM DISTILLATE		8002-05-9	No	500	500
ISOBUTANE		75-28-5	No	800	800
PROPANE		74-98-6	No	1000	1000
HEPTANE		142-82-5	No	500	500
ACETONE		67-64-1	No	1000	750
PARAFFINIC PETROLEUM DISTILLATE		64742-47-8	No	100	N/E
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A		Specific Gravity (H ₂ O=1): Concentrate Only = .81			
Vapor Pressure: PSIG @ 70°F (Aerosols): 25-46 psig		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): ND		Evaporation Rate (= 1): N/E			
Solubility in Water: Nil		Water Reactive: No			
Appearance and Odor: Red color with solvent odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) >18" w/flash back to tip: EXTREMELY FLAMMABLE		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
FLASH POINT AND METHOD USED (non-aerosols): N/A		SPECIAL FIRE FIGHTING PROCEDURES: Use water fog to cool containers to prevent rupturing and bursting.			
EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.					
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture. Provide shielding to protect personnel.					
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY [X] STABLE [] UNSTABLE		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Oxygen & oxidants.		Conditions to Avoid: Open flame, welding arcs, heat, sparks.			
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Can cause headaches, dizziness.					
Eye Contact: Irritation			Skin Contact: Can cause skin defatting.		
Ingestion: Possible chemical pneumonitis if aspirated into lungs.					
CHRONIC EFFECTS: None known.					
Medical Conditions Generally Aggravated by Exposure: Asthma.					
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					
Respiratory Protection (specify type): Not normally needed. If TLV is exceeded, use respirator approved by NIOSH for organic vapors.					
Protective Gloves: Solvent resistant.			Eye Protection: Safety glasses.		
Ventilation Requirements: Normal room ventilation is sufficient with periodic use. For continuous spray, local exhaust provided by explosion proof motor is recommended.					
Other Protective Clothing & Equipment: None required. Eyewash station suggested.					
Hygienic Work Practices: Wash with soap and water after contact.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Cover with absorbent material and sweep up. Wash area to prevent slipping. Incinerate or landfill according to local, state or federal regulations.					
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 Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.					

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 O