

MATERIAL SAFETY DATA SHEET

May be used to comply with
OSHA's Hazard Communications Standard,
29 CFR 1910. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB N. 1218-0072

IDENTITY: OPTIMA GEL LUBRICANT A955		NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
HMS RATING:	HEALTH: 2	FLAMMABILITY: 3	REACTIVITY: 0		
RATING LEGEND:	4 = extreme, 3 = serious, 2 = moderate, 1 = slight, 0 = minimal, * = chronic hazard				

Section I

Distributed By:	Handi-Clean Products, Inc. 301 Swing Rd. Greensboro, NC 27409	Emergency Telephone Number (336) 292-3083 After 5:00 p.m. (336) 996-5353	
		Telephone Number for Information (336) 292-3083	Date Prepared 1/7/2010

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hexane	110-54-3	--	50ppm	--	--
Paraffinic Petroleum Distillates	64742-65-0	--	5 mg/m ³ as mist	--	--
Propane	74-98-6	--	2500ppm	--	--
Isobutane	75-28-5	--	N/E	--	--
n-Butane	106-97-8	--	800ppm	--	--
Petrolatum	3/8/8009	--	5 mg/m ³ as mist	--	--
Aliphatic Hydrocarbon	64742-63-8	--	5 mg/m ³ as mist	--	--
Ethylene/Propylene Copolymer	9010-79-1	--	N/E	--	--

Section III - Physical/Chemical Characteristics

Boiling Point:	<0 to 651°F	Specific Gravity (H₂O = 1):	0.68 ± 0.05	Appearance:	Clear
Vapor Pressure (mmHg):	--	Evaporation Rate:		Odor :	Aerosol
Vapor Density (AIR = 1):	Heavier than air	Slower than Ether		Solubility in Water:	Nil

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	<0°F	Flammable Limits	LEL: 1.0	UEL: 9.5
Extinguishing Media: Use water fog, dry chemical or carbon dioxide.				
Special Fire Fighting Procedures: Aerosol cans may rupture when heated.				
Unusual Fire and Explosion Hazards: Heated cans may burst.				

Section V - Reactivity Data

Stability:	Stable	X	Unstable	
Hazardous Polymerization:	May Occur		Will Not Occur	X
Incompatibility (Materials to Avoid): None known.				
Hazardous Decomposition or Byproducts: In fire, will decompose to carbon dioxide, carbon monoxide.				
Conditions to Avoid: High temperatures.				

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Eyes?	X	Ingestion?	X
Health Hazards (Acute and Chronic): Effects of Overexposure: SKIN: Skin irritant. Will cause defatting of skin. Effects are reversible. EYES: Eye irritant. Will cause redness and burning sensation. INHALATION: Effects of overexposure include irritation of respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death. INGESTION: Aspiration hazard if swallowed.								
Medical Conditions Generally Aggravated by Exposure: Prolonged and repeated overexposure to hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. Repeated and prolonged overexposure to solvents may cause permanent brain and nervous system damage.								
Emergency and First Aid Procedures: SKIN: Immediately flush exposed area with water for at least 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse. EYES: Immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses, if present. Seek medical attention. INHALATION: Remove person to fresh air. If irritation persists, give oxygen, get medical attention. INGESTION: DO NOT induce vomiting. Seek medical attention immediately. NOTE: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.								

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
Waste Disposal Method: Dispose as hazardous waste in accordance with EPA RCRA.
Precautions to Be Taken in Handling and Storing: When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator. Store at temperatures below 120°F. Keep away from heat, sparks, or open flame. For industrial and institutional use only. Keep container closed during storage. For use by trained personnel only.
Other Precautions: KEEP OUT OF REACH OF CHILDREN.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Self-contained breathing apparatus if above TLV limit.	Ventilation: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: None required if spraying.	Eye Protection: We recommend the use of safety glasses or chemical splash goggles.
Other Protective Clothing or Equipment: Long sleeves and long pants.	
Work/Hygienic Practices: Wash hands with soap and water after using product. Do not smoke while using.	