

# MATERIAL SAFETY DATA SHEET from STEARNS PACKAGING CORPORATION

## SECTION I—PRODUCT/MANUFACTURER'S IDENTITY

### IDENTITY (As Used On Label and List):

#### Vacuum Pump Oil

**SYNONYMS:** ST-5  
Milkhouse Vacuum Pump Oil  
Dairyland Brand Vacuum Pump Oil

**FORMULA ID NUMBER:** PB70

**EPA REG #:** None

**NSF CERTIFIED:** None

**COMPANY:** STEARNS PACKAGING CORPORATION  
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HAZARD RATING		
1	Flammability	4 = Extreme
1	Health	3 = High
0	Reactivity	2 = Moderate
None	Special Hazard	1 = Slight
		0 = Insignificant

**For Transportation Emergency Involving Hazardous Materials Contact: CHEM-TEL 1 (800) 255-3924**

**Shipping Information:**  
**DOT SHIPPING NAME:** Petroleum oil, NOI. Item 155250, Class 65  
**DOT SHIPPING NUMBER:** None  
**HAZARD LABEL:** None  
**HAZARD CLASS:** None

## SECTION II—HAZARDOUS INGREDIENTS OR IDENTITY INFORMATION

### HAZARDOUS CHEMICAL IDENTITY &

CAS#	HAZARD	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (OPTIONAL)
▶ Oil, solvent neutral Mixture		N/A	5.0 mg/m <sup>3</sup> (TWA)		98 - 99
▶ Performance additives Proprietary		N/A	N/A		

SARA SECTION 313 TITLE III NOTIFICATION REQUIRED: No; CHEMICAL IN PRODUCT: None; CAS#: N/A; WEIGHT % OF CHEM: N/A

## SECTION III—PHYSICAL/CHEMICAL CHARACTERISTICS

<b>BOILING POINT:</b>	Not Determined	<b>VAPOR PRESSURE (mm Hg):</b>	< 1 mm Hg @ 68°F
<b>SPECIFIC GRAVITY (WATER=1):</b>	0.8400 - 0.8800	<b>VAPOR DENSITY (AIR=1):</b>	Not Determined
<b>POUR POINT °C(°F):</b>	Not Determined	<b>EVAPORATION RATE (ETHER=1):</b>	< 1
<b>VISCOSITY</b> cSt@ 100°C	8.7	<b>TBN (ASTM D2896):</b>	Not Determined
cSt@ 40°C	68.3	<b>pH (CONCENTRATE):</b>	Not Determined
<b>VISCOSITY INDEX:</b>	98	<b>pH (1% SOLUTION):</b>	Not Applicable
<b>APPEARANCE AND ODOR:</b>	Blue liquid, characteristic petroleum odor	<b>SOLUBILITY IN WATER:</b>	Insoluble

## SECTION IV—FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (METHOD USED):</b>	> 390°F (> 200°C)
<b>AUTO IGNITION TEMP:</b>	> 500°F
<b>EXTINGUISHING MEDIA:</b>	Use water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire.
<b>FLAMMABLE LIMITS IN AIR:</b> (% by Volume)	LEL: Not Applicable UEL: Not Applicable
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	When fighting fires, wear full turnout gear and self-contained breathing apparatus. Water may cause splattering. Material floats on water.
<b>FIRE &amp; EXPLOSION HAZARDS:</b>	Toxic fumes, gases or vapors may evolve on burning.

## SECTION V—REACTIVITY DATA

<b>STABILITY:</b>	Stable
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Acids, oxidizing agents
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b>	Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: magnesium, calcium, nitrogen, sulfur, carbon.
<b>CONDITIONS TO AVOID:</b>	See Section VII.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

## SECTION VI—HEALTH HAZARD DATA/FIRST AID PROCEDURES

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Eyes: Contact with eyes cause irritation. Skin: Contact with skin may cause irritation. Inhalation: May cause irritation of the nose and throat. Ingestion: May cause nausea and vomiting. Large quantities may affect the central nervous system.

**CARCINOGENICITY:** NTP: No  
IARC Monographs: No  
OSHA Regulated: No

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** No adverse effects anticipated.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Existing dermatitis and respiratory conditions.

### EMERGENCY AND FIRST AID PROCEDURES:

<b>Eyes:</b>	If contact with eyes occurs, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.
<b>Skin:</b>	If contact with skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.
<b>Inhalation:</b>	If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.
<b>Ingestion:</b>	If material has been swallowed, do not induce vomiting. Get medical attention immediately.

## SECTION VII—PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Personal protective equipment should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil. Avoid contact with skin and eyes.

**WASTE DISPOSAL METHOD:** Place contaminated materials in a disposable container and dispose of in accordance with all local, city or municipality, county, state, and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in closed container away from all ignition sources. Handling temperatures should not exceed 175°F (80°C). Wash thoroughly after handling. Do not store at temperatures exceeding 113°F (45°C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Open containers carefully and only in well-ventilated areas or use appropriate respiratory protection. Store in well-ventilated area.

**OTHER PRECAUTIONS:** . Always keep product out of the reach of children.

## SECTION VIII—OTHER REGULATORY INFORMATION

Toxicity: No data available.

Ecological information: No data available.

This product does not contain toxic chemical subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Sara 311-312 Hazard Categories (40 CFR 370.2): Fire: No Sudden release of pressure: No Reactive: No Acute: No Chronic: No

California Prop 65: Small traces of cadmium, arsenic, and lead.

## SECTION IX—CONTROL MEASURES

**RESPIRATORY PROTECTION:** Normally not required. If exposure limits are exceeded, use a Niosh approved organic vapor respirator. Self-contained breathing apparatus is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.

**VENTILATION:** Local Exhaust: Ventilate to control mists and vapors below exposure limits.  
Mechanical (General): Ventilate to control mists and vapors below exposure limits.

**SKIN PROTECTION:** Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirts, chemically protective aprons and chemically protective boots are recommended for contact exposure or spill cleanup. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.

**EYE PROTECTION:** Chemical goggles or face shield recommended to minimize eye contact.

**OTHER PRACTICES:** As good hygiene dictates. Water should be available for flushing and washing when exposure exists. Launder soiled clothes. Discard shoes or other leather articles saturated with the material.

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