

**MATERIAL SAFETY DATA SHEET**

**SENSIDYNE, LP**  
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MSDS #3004  
 Pump Lubricant for Models  
 AP-1S and AP-20S Pumps  
 Revised 2/2009

**PART 1, MATERIAL IDENTIFICATION**

**Material Name:** Lubricant for Model AP-1S and AP-20S pumps.  
**Chemical Name & Synonyms:** Daphne Eponox Grease No.2 & Daphne Mechanic Oil 68  
 (Idemitsu Kosan Co.)  
**Chemical Family:** Lithium Petroleum Grease.  
**Formula:** Varied. All components are listed in EPA's TSCA inventory, 1985 edition.

**PART II, Ingredients & Hazards**

	%	TLV
Petroleum Distillates, Hydrotreated Heavy Naphthenic	70-75	5 mg/M3 (as Oil Mist)
Petroleum Lubricating Oils, Hydrotreated Neutral Oil Based	10	5 mg/M3 (as Oil Mist)
Thickener (Lithium soap)	5-10	N/A
Additives (Antioxidant, tackiness agent, rust inhibitor)	5-10	N/A
Note: Contains no carcinogens listed by OSHA, IARC or NTP		(ACGIH 2008 Book)

**PART III, Physical Data**

<b>Boiling Point, 1 Atm, °F (°C):</b> Not determined	<b>Specific Gravity:</b> <1 (H2O=1)
<b>Vapor Pressure, mm Hg:</b> Unknown	<b>Evaporation Rate:</b> Not determined
<b>Solubility in Water:</b> Insoluble	Vapor Pressure: < 5mm Hg @ 20 °C
<b>Appearance &amp; Odor:</b> Light green-brown grease with little noticeable odor.	

**PART IV, Fire & Explosion Data**

Flash Point & Method	Auto Ignition Temp. °C	Flammability Limits	Lower	Upper
			~1%	~7%
> 200 °C SETA (Base Oil)	Not determined	(Estimated)		

**Extinguishing Media:** Suitable for surrounding fire; CO2, dry chemical, foam or water fog.

**Special Firefighting Procedures:** Firefighters should wear SCBA's with full face protection when fighting fires involving petroleum products.

**Unusual Fire & Explosion Hazards:** None known. Fires encompassing the lubricant may emit oxides of carbon and lithium.

**PART V, Health Hazard Information****MSDS #3002****LUBRICANT FOR AP-1S & AP-20S**

**Applicable TLV's:** The ACGIH TLV for airborne mineral oil mist is 5mg/M3 for 8 hours and 10mg/M3 STEL (2008 TLV Book). OSHA's PEL for mineral oil mist is 5mg/M3 for 8 hours

**Effects of Overexposure:** Contact with skin and eyes will cause minor irritation. Prolonged repeated skin contact could lead to dermatitis. Toxicity by inhalation or ingestion is not expected. Oral dose LD-50 has not been determined..

**Emergency & First Aid Procedure:**

Eyes: Flush with water for at least 15 minutes including under eye lids. Consult a physician if irritation persists.

Skin: Wash affected areas thoroughly with soap and water. Remove and launder contaminated clothing.

Ingestion: Give the victim large amounts of water or milk to drink for dilution. Get medical attention. Do not induce vomiting unless directed by a physician.

**NFPA Ratings**

Health: 1

Flammability: 1

Reactivity: 0

**PART VI, Reactivity Information**

**Stability:** This is a stable material. It will not undergo hazardous polymerization.

**Conditions to Avoid:** Do not store at high temperatures. Store away from strong oxidizers.

**Hazardous Decomposition Products:** None known under normal conditions. Heating to decomposition can emit oxides of lithium and carbon.

**PART VII, Spill, Leak & Disposal Procedures**

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**LUBRICANT FOR AP-1S & AP-20S**

**Spills Procedure:** Collect the spilled material onto a paper towel. Normal product use is not conducive to large spills.

**Disposal Procedure:** Dispose according to federal, state and local regulations.

**PART VIII, Special Protection Information**

**Protective Equipment:** Safety glasses are recommended to avoid accidental transfer of grease to eyes. Eye wash fountains should be available whenever handling lubricants. Normal ventilation is adequate. Respiratory protection is not necessary under normal conditions. Impervious clothing is preferred.

**PART IX, Special Precautions & Comments**

**Handling & Storage:** Store in original container away from light, heat and moisture.

**Other Precautions:** Wash hands thoroughly after use especially before eating, drinking, smoking or applying cosmetics. Avoid contact with eyes.

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