

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

Advance Technology Products, Inc.
"WaterGuard and Advance Products"
14123 I-10 EAST FREEWAY
HOUSTON, TX 77015
(713) 450-5990

Product Trade Name: Thread Lube STL-2 STL-8
CAS No: Not applicable for mixtures
Generic Chemical Name: Petroleum lubricating grease
Product type: Thread lubricant
Revision Date: June 1, 2004

SECTION 2 - COMPOSITION INFORMATION

Component	Cas. No of component	Approx. Concentration
Distillates (petroleum), hydro treated Heavy naphthenic and	64742-52-5	>94%
Residual oils (petroleum), solvent dewaxed Lithium complex soap thickener Proprietary additives	64742-62-7	<6%

All components of this product are listed on the US TSCA inventory.

SECTION 3 - HAZARDS IDENTIFICATION

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized. Prolonged or repeated skin contact may cause skin irritation.

SECTION 4 - FIRST AID MEASURES

Eye contact: Flush with enough water to wash away any irritant. If irritation persists, seek professional help.
Skin: In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse.
Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure.
Ingestion: If ingested, DO NOT induce vomiting, seek professional help.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: (minimum) 221 C (430F) COC method
Autoignition Temp. >260 C (500F)
Use product with caution around heat, sparks, pilot lights, static electricity, and open flame.

Flammable or Explosive limits (Approx. percent by volume of air):
Estimated values: Lower flammable limit 0.9% Upper flammable limit 7%

Extinguishing media and fire fighting procedures:

Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size and potential size of fire and circumstances related to the situation. Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapor and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplies-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Decomposition Products:

Fumes, smoke, carbon monoxide, sulfur oxides, phosphorus oxides, metal oxides, aldehydes, and other decomposition products, in case of incomplete combustion.
Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: recover free product, Add sand, earth, or other suitable absorbent to spill area, Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Assure conformity with applicable governmental regulations.

SECTION 7 - HANDLING AND STORAGE

Keep containers closed when not in use. Wash with soap and water or hand cleaner after handling. Empty containers may retain material residue. Do not expose containers to heat, flame, or other sources of ignition. Do not store near potential sources of heat

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation: Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentration on vapors in air, if necessary.

Respiratory Protection: Use supplied-air respiratory protection in confined or enclosed spaced, if needed.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye protection: Use splash goggles or face shield when eye contact may occur.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

The following data is approximate or typical values:

Boiling Range: IBP Approx. 310 C (590 F) by ASTM D 2887

Vapor Pressure: Less than 0.01 mmHG @ 20 C

Specific Gravity 0.93 Vapor Density: (air=1):>5 pH: Essentially neutral Melting Point: 260 C (500 F) by ASTM D 2887

Viscosity: 325 worked penetration, mm/10, @ 25 C, ASTM D 217

SECTION 10 - STABILITY AND REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium, hypochlorite, etc., as this presents a serious explosion hazard.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Applicable

SECTION 12 - ECOLOGICAL INFORMATION

Not Applicable

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in an approved landfill. Consult state, local, or provincial authorities for more restrictive requirements.

SECTION 14 - TRANSPORT INFORMATION

US DOT SHIPPING DESCRIPTION: NOT REGULATED.

SECTION 15 - REGULATORY INFORMATION

None Known

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