

Material Safety Data Sheet

Section I - Product Identification

Trade Name and Synonyms AEON PD Grease	Part Numbers: 28H282, 28H283	Health Emergency Phone Number (217) 222-5400 Safety Department Transport Emergency Phone Number (800) 424-9300 (CHEMTREC)
Manufacturer's Name Gardner Denver, Inc.		
Address 1800 Gardner Expressway - Quincy, IL 62301		
Product Description Base Oil and Additives		
Intended Use Grease		

Section II – Chemical and Physical Properties

IF PRESENT, IARL, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE 111, SECTION 313 ARE IDENTIFIED IN THIS SECTION.		
Non-Hazardous Components	CAS #	Concentration*
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	30-50%
Petroleum Oils, 150 Bright Stock Hydrotreated	64742-62-7 & 64742-65-0	30-50%
Lithium Complex Thickener	PROPRIETARY	7-13%
Phosphorodithioic Acid, O, O-Di-C1-14-Alkyl Esters, Zinc Salts	68649-42-3	1-2%
Antimony Dialkylthiocarbamate	PROPRIETARY	<0.5%

This product, as manufactured, does not contain polychlorinated biphenyls (pcb).

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

EXPOSURE LIMIT FOR TOTAL PRODUCT: 5 mg/m³ for oil mist (aerosol) for an 8-hour workday

BASIS: Regulation 29 CFR 1910.1000 and recommended by the American Conference of Governmental Industrial Hygienists (ACGIH).

ACGIH states that the air is to be sampled by a method that does not collect vapor; in addition, it lists a 10 mg/m³ STEL.

Section III – Physical Data

Solubility in Water:	Negligible, <0.1%	Boiling Point/Range:	N/A
Specific Gravity:	0.9	Melting Point:	288°C
Color:	Blue	Volatility by Volume, %:	N/A
Odor & Appearance:	Mild Petroleum	Vapor Pressure (mm Hg @ 20°C):	<0.01
Evaporation Rate:	<1	Vapor Density (air = 1):	>1

Section IV – Fire and Explosion Hazards

FLASH POINT: (ASTM D92) C.O.C. 450°F		UPPER FLAMMABLE LIMIT: ND	LOWER FLAMMABLE LIMIT: ND
Extinguishing Media:	<p>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 or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.</p> <p>The following procedures for this type of product are based on the recommendations in the national fire protection association's "fire protection guide on hazardous materials": 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 vapors 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 supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.</p>		
Decomposition Products Under Fire Conditions:	Fumes, smoke, carbon monoxide, sulfur oxides, phosphorus oxides, metal oxides, aldehydes and other decomposition products, in the case of incomplete combustion.		

"Empty" Container Warning:	"Empty" containers and drum liners 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 OR DEATH. Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers and drum liners should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Do not reuse liners for any purpose whatsoever. Liners should be emptied of contents to the maximum extent practical, then segregated from liners containing other products.
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Section V – Environmental and Disposal Information

THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT, AND UNDER THE OIL POLLUTION ACT. DISCHARGES OR SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (1-800-424-8802).	
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. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Assure conformity with applicable governmental regulations.

Section VI – Health Hazard

Chronic Effects of Overexposure:	None when used with good personal hygiene practices. May otherwise cause skin and eye irritation upon prolonged or repeated contact.
Acute Toxicological Properties:	No data available.
Nature Of Hazard And Toxicity Information:	<ul style="list-style-type: none"> ★ Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection. In accordance with the current OSHA Hazard Communication Standard Criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternately, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria. ★ Prolonged or repeated contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria. ★ Product contacting the eyes may cause eye irritation. ★ Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. ★ This product is judged to have an acute oral LD50 (rat) greater than 5 g/kg of body weight, and an acute dermal LD50 (rabbit) greater than 3.16 g/kg of body weight.
Pre-Existing Medical Conditions Which May Be Aggravated By Exposure:	None recognized.

EMERGENCY FIRST AID PROCEDURES

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 and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If overexposed to oil mist, remove from further exposure until excessive oil mist condition subsides.
Skin Contact:	Remove contaminated clothing and wash area thoroughly with soap and water. Launder or dry-clean clothing before reuse. For high pressure injection under the skin see a physician immediately as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
Eye Contact:	Immediately flush with water for 15 minutes or until irritation subsides. If irritation persists, call a physician.
Ingestion:	If ingested, DO NOT induce vomiting; call a physician immediately.

Section VII –Reactivity

Stability:	Stable and will NOT react violently with water.
Incompatibility:	Strong oxidants, such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.
Polymerization:	Will not occur.

Section VIII – Special Protection

Ventilation:	Normally not needed. Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.
Respiratory Protection:	Normally not needed. Use supplied-air respiratory protection in confined or enclosed spaces, if needed.
Hand Protection:	Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Eye Protection:	Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Other Protective Equipment:	Use chemical-resistant apron or other impervious clothing, if needed.

Section IX – Precautions

Handling and Storage:	Keep container closed until ready for use. Do not store near heat, sparks, flame or strong oxidants. To prevent fire or explosion hazards, use appropriate equipment. Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70), available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.
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Section X – Transport Information

D.O.T.:	Not regulated.
Reportable Quantity:	N/A
Freight Classification:	Petroleum lubricating grease.
Special Transportation Notes:	N/A

Section XI – OSHA Required Label Information

In compliance with hazard and right-to-know requirements, where applicable OSHA hazard warnings may be found on the label, bill of lading, or invoice accompany this shipment.
 Note: product label may contain non-OSHA related information also.

THIS MATERIAL SAFETY DATA SHEET CONTAINS ENVIRONMENTAL, HEALTH AND TOXICOLOGY INFORMATION FOR YOUR EMPLOYEES. PLEASE MAKE SURE THIS INFORMATION IS GIVEN TO THEM. IT ALSO CONTAINS INFORMATION TO HELP YOU MEET COMMUNITY RIGHT-TO-KNOW/EMERGENCY RESPONSE REPORTING REQUIREMENTS UNDER SARA TITLE 111 AND MANY OTHER LAWS. IF YOU RESELL THIS PRODUCT, THIS MSDS MUST BE GIVEN TO THE BUYER OR THE INFORMATION INCORPORATED IN YOUR MSDS.

DOT HAZARDOUS CLASSIFICATION: NOT REGULATED GREASE OR OIL - N.O.S.

NFPA HEALTH HAZARD: 1 FLAMMABILITY: 1 REACTIVITY: 0

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