

Material Safety Data Sheet

Health: 1	NFPA
Fire: 1	
Reactivity: 0	
Special: N/E	
Health: 1	HMIS
Flammability: 1	
Reactivity: 0	

Section I - Product Identification

Trade Name and Synonyms AEON 800	Part Numbers: 28G7, 28G8	Health Emergency Phone Number (217) 222-5400 Safety Department
Manufacturer's Name Gardner Denver, Inc.		
Address 1800 Gardner Expressway - Quincy, IL 62301		Transport Emergency Phone Number (800) 424-9300 (CHEMTREC)
Product Identification Rotary Screw Compressor Lubricant and Coolant		
Chemical Names and Chemical Family Petroleum Hydrocarbons and Additives		

Section II - Composition/Information on Ingredients

Hazardous Ingredients: This material has no known hazards under applicable laws.
CAS Number: Not applicable for mixtures.

Section III - Safe Handling and Storage

Pumping Temperature: Not determined
Maximum Handling Temperature: Not determined
Maximum Storage Temperature: Not determined
Loading Temperature: Not determined
Handling Procedures: Keep containers closed when not in use. Wash thoroughly after handling. Empty containers, retain material residue. Do not cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, spark, or other sources of ignition.
Storage Procedures: No special storage precautions required.

Section IV - Physical Data

Appearance: Liquid, dark red	Bulk Density: Not determined
Odor: Mild	Solubility in Water: Insoluble
Boiling Point: > 149 Deg C, 300 Deg F (Initial)	Specific Gravity: 0.85 (20 Deg C)
Vapor Pressure: Not determined	Volatiles %: Unknown
Vapor Density: Not determined	Evaporation Rate: Not determined
Flash Point: 204 Deg C, 399.9 Deg F PMCC (Typical)	Upper Flammable Limit: Not determined
Lower Flammable Limit: Not determined	Autoignition Point: 218.33 Deg C, 425 Deg F
Explosion Data: Material does not have explosive properties.	pH: Not determined
Percent VOC: Not determined	Viscosity: 36.7 Centistokes (40 Deg C) 7.6 Centistokes (100 Deg C)
Odor Threshold: Unknown	Pour Point: Not determined
Temperature Melting/Freezing Point: Not determined	
<i>The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.</i>	

Section V - Fire Fighting Measures

Flash Point: 204 Deg C, 399.9 Deg F PMCC (Typical)
Extinguishing Media: CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire and Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning.

Section VI – Stability and Reactivity

Stability: Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility: Oxidizing agents.
Decomposition Temperature: Not determined.
Polymerization: Will not occur.
Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes, and other products of incomplete combustion.

Section VII - Hazards Identification

Principal Hazards: This material has no known health hazards.

Section VIII – Toxicological Information**-- ACUTE EXPOSURE --**

Oral Toxicity: The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
Eye Irritation: Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Dermal Toxicity: The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity: Not expected to be a toxic inhalation hazard. Based on data available from components or similar materials.
Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.
Dermal Sensitization: No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity: This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity: No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- ADDITIONAL INFORMATION --

Other: No other health hazards known.

Section IX – Ecological Information**-- ENVIRONMENTAL TOXICITY --**

Freshwater Fish Toxicity: The acute LC50 is 100 - 1000 mg/L based on component data.
Freshwater Invertebrates Toxicity: Chronic effects expected at 10 - 100 mg/L based on component data.
Algal Inhibition: Not determined.
Saltwater Fish Toxicity: Not determined.
Saltwater Invertebrates Toxicity: The acute LC50 is 10 - 100 mg/L based on component data.
Bacteria Toxicity: The acute EC50 for bacteria is 100 - 1000 ppm based on component data.
Miscellaneous Toxicity: Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation: At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
Bioaccumulation: Less than 1.0% of the components potentially bioconcentrate, based on octanol/water coefficients.
Soil Mobility: Not determined.

Section X – Exposure Controls/Personal Protection

Respiratory Protection: Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.
Ventilation Procedures: Use with adequate ventilation.
Gloves Procedures: Nitrile
Eye/Face Protection: Safety glasses with side shields.
Clothing Recommendation: Long sleeve shirt is recommended.
Other Exposure Limits: Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Section XI – Accidental Release Measures

Spill Procedures: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills..

Section XII - Waste Disposal Methods

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

Section XIII – First Aid Measures

Oral: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Eyes: Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin: Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation: Remove exposed person to fresh air if adverse effects are observed.
Additional Information: Note to physician: Treat symptomatically.

Section XIV - Transport Information

ICAO/IATA	Not regulated.
IMDG (Ambient)	Not regulated.
IMDG (Elevated)	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
IMDG EMS	Not applicable.
IMDG MFAG	Not applicable.
IMO Marine Bulk	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not determined.
U.S. DOT Bulk (Ambient)	Not regulated.
U.S. DOT Bulk (Elevated)	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	Not applicable.
TDG Bulk (Ambient)	Environmentally hazardous substance liquid, n.o.s. (Toluene), Class 9, UN3082, PG III, RL
TDG Bulk (Elevated)	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
TDG Non-Bulk	Not regulated.
Mexico	Not regulated.
ADR/RID (Ambient)	Not regulated.
ADR/RID (Elevated)	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
ADR/RID Hazard ID No.	Not applicable.
ADG (Ambient)	Not regulated.
ADG (Elevated)	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED

Section XV - Regulatory Information

U.S. TSCA Inventory	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	Section 4a (Diphenylamine). Section 4a (Nonane). May be subject to export notification under TSCA Section 12(b).
SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
TDG Regulated Limit	Transit Reportable Quantities Component Reportable Limits RL Units Reportable Limits RL Units
CERCLA Hazardous Substances	None known.
Cal. Prop. 65	This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm cadmium < 1 ppm lead < 1 ppm arsenic < 1 ppm Benzene, CAS no. 71-43-2 859 ppm Toluene, CAS no. 108-88-3
U.S. Tariff Heading Number	Not determined.
Schedule B Number	Not determined.
EEC EINECS	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan METI	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	This product may require notification in China.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.