

Gardner Denver

Material Safety Data Sheet

Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification
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*Gardner Denver
1800 Gardner Expressway,
Quincy, IL 62301
United States of America
Ph: 217-222-5400*

Product Trade Name AEON 9000TH
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Formulated Industrial Lubricant.
Preparation/Revision Date 04 April 2013

2	Hazards Identification
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Appearance Clear to yellow liquid.
Odor Mild
Principal Hazards Caution.

- May cause eye irritation.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Hazardous Ingredients

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Alkaryl amine	Confidential.	From 1 to 4.9 percent	N/E
Tricresyl phosphate	1330-78-5	From 0.1 to 0.9 percent	N/E

(N/E) - None established

4	First Aid Measures
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Eyes Rinse cautiously with water for 20 minutes or until chemical is removed. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical attention.

Skin Wash with soap and water for 30 minutes or until chemical is removed. Immediately remove all contaminated clothing. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Call a poison center or doctor if exposed or you feel unwell.

Oral Do NOT induce vomiting. Never give anything by mouth to a person who is losing consciousness, unconscious or convulsing. Rinse mouth and then drink plenty of water, seek medical attention Call a poison center or doctor if exposed or you feel unwell.

Additional Information Note to physician: Treat symptomatically.

5	Fire Fighting Measures
Flash Point	251 °C, 485.1 °F ASTM D 92 (Typical)
Extinguishing Media	CO2, dry chemical, foam, water spray, water fog. Water can be used to cool and protect exposed material.
Firefighting Procedures	Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. Stop leak if safe to do so. Spills produce extremely slippery surfaces. In case of fire, evacuate area. Do not release chemically contaminated water into drains, soil or surface water.
Unusual Fire & Explosion Hazards	Burning may produce irritating, toxic and obnoxious fumes. Container may rupture in a fire situation. Keep material away from heat, sparks, pilot lights, static electricity and open flame. DO NOT USE a solid stream of water. See section 10 for additional information.

6	Accidental Release Measures
Spill Procedures	Evacuate all non-essential personnel. Only trained personnel should be permitted in area. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Eliminate all sources of heat, sparks pilot lights, static electricity and open flames. Ventilate area if spilled in confined space or other poorly ventilated areas. Shut off leak if without risk. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Material on floors may be slippery. Small spills: contain spilled material. Transfer to secure containers. Where necessary collect using absorbent media. Larger spills: stop spill and dike area to prevent spreading, pump liquid to salvage tank. remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers. Place in metal containers for recovery or disposal. Wash spill area with soap and water. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

7	Handling and Storage
Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
Handling Procedures	Keep away from ignition sources such as heat, sparks and open flame. No smoking. Use with adequate ventilation. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Avoid prolonged exposure to heat and air. Avoid eye contact. Avoid repeated or prolonged skin contact. When handling, do not eat, drink, or smoke. Avoid inhalation of dust, aerosol, mist, spray, fume, or vapor. Use with appropriate and adequate ventilation. Avoid contact with eyes, skin and clothing. Ground / bond container and receiving equipment. All equipment should be grounded to prevent static discharges, and vented to provide for potential energy release. Do not breathe thermal decomposition products. Take precautionary measures against static discharge. Do not heat opened containers with steam in a manner that allows steam to condense into container. Wash thoroughly after handling. Launder contaminated clothing before reuse. 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. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
Maximum Storage Temperature	Not determined.
Storage Procedures	Keep material away from heat, sparks, pilot lights, static electricity and open flame. Store separately from oxidizers. Take precautions to avoid release to the environment. Store in a cool, dry, well-ventilated area. Do not store in direct sunlight. Store separately from incompatible materials. Store in containers made of same material as original container. Store container tightly

closed in well-ventilated place. Store in dry, well ventilated place away from sources of heat and direct sunlight. Do not store in open, unlabeled or mislabeled containers. See section 10 for incompatible materials.

Maximum Loading Temperature Not determined.

8	Exposure Controls/Personal Protection
Exposure Limits	None established
Other Exposure Limits	Contains synthetic basestock. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter for mineral oil mists.
Engineering Controls	If use generates a mist or vapor, local exhaust ventilation is recommended. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Prevent inhalation by providing effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist, or vapor away from workers.
Gloves Procedures	Neoprene. Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.
Eye Protection	Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.
Respiratory Protection	Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation	Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse. Use good industrial hygiene practices. In case of skin contact, wash hands and arms thoroughly with soap and water to prevent a skin reaction.

9	Physical and Chemical Properties
Flash Point	251 °C, 485.1 °F ASTM D 92 (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.92 (20 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Percent Solid	Not determined.
Percent Volatile	Not determined.
Volatile Organic Compound	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild
Appearance	Clear to yellow liquid.
Viscosity	Not determined.
Odor Threshold	Not determined.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.
Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	Stability and Reactivity
Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Strong mineral acids and strong oxidizing agents. Avoid strong bases Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid	Do not expose to excessive heat, ignition sources, or oxidizing materials. Direct sunlight. Contact with strong oxidizers.

11	Toxicological Information
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-- ACUTE EXPOSURE --

Eye Irritation	Weak to moderate eye irritant. Does not meet EU R36 criteria. Based on data from components or similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from 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.
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. Based on data from components or similar materials.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	The LC50 (1 hr.) in rats for dust or mist of this material is 20 - 200 mg/l. Based on data from components or similar materials.
Oral Toxicity	The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.
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	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
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.
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12	Ecological Information
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-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity	The acute LC50 is 10 - 100 mg/L based on component data.
Freshwater Invertebrates Toxicity	The acute EC50 is 10 - 100 mg/L based on component data.
Algal Inhibition	Not determined.

Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	Not determined.
Miscellaneous Toxicity	Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation	Adequate data is not available to estimate the biodegradation potential of this material.
Bioaccumulation	1 - 10% of the components potentially bioconcentrate, based on octanol/water coefficients.
Soil Mobility	Not determined.

13	Disposal Considerations
Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14	Transport Information
ICAO/IATA I	Not regulated.
ICAO/IATA II	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFIAG	Not applicable.
MARPOL Annex II	Not determined.
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
DOT NAERG	Not applicable.
U.S. DOT (Intermediate)	Not regulated.
U.S. DOT Intermediate NAERG	Not applicable.
U.S. DOT Non-Bulk	Not regulated.
U.S. DOT Non-Bulk NAERG	Not applicable.
Canada	Not regulated.
Mexico	Not regulated.
Bulk Quantity	85000 KG, 187391 lbs.
Intermediate Quantity	11000 KG, 24251 lbs.
Non-Bulk Quantity	400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information
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-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None known.
EU	To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH , or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com
Japan	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.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.

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 Substance Ordinance in Switzerland. Lubrizol must maintain records of all imports of this product into Switzerland. Third party importers are asked to report every import to The Lubrizol PSCD Manager (Europe), Hazelwood, Derby DE56 1QN, UK.

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 All components of this product are listed on the Inventory of Existing Chemical Substances in China.

Taiwan May require notification before sale in Taiwan.

-- Other U.S. Federal Regulations --

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.

SARA 311 Classifications

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances None known.

-- State Regulations --

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: 8 ppm Ethyl acrylate, CAS no. 140-88-5

-- Product Registrations --

U.S. Fuel Registration Not applicable.

Finnish Registration Number Not Registered

Swedish Registration Number Not Registered

Norwegian Registration Number Not Registered

Danish Registration Number Not Registered

Swiss Registration Number Not Registered

Italian Registration Number Not Registered

-- Other / International --

Miscellaneous Regulatory Information Not determined.

16	Other Information
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US NFPA Codes	Health	Fire	Reactivity	Special
	1	1	0	N/E

(N/E) - None established

HMIS Codes	Health	Fire	Reactivity
	1	1	0

Precautionary Labels Caution.

- May cause eye irritation.

Revision Indicators

Section: 1 Product type.	Changed: 27 September 2012
Section: 2 Principal hazards.	Changed: 27 September 2012
Section: 3 Hazardous ingredients.	Changed: 27 September 2012
Section: 4 Eyes first aid.	Changed: 27 September 2012
Section: 4 Inhalation first aid.	Changed: 4 April 2013
Section: 4 Oral first aid.	Changed: 27 September 2012
Section: 4 Skin first aid.	Changed: 27 September 2012
Section: 5 Extinguishing media.	Changed: 27 September 2012
Section: 5 Special firefighting procedures.	Changed: 27 September 2012
Section: 5 Unusual fire& explosion hazards.	Changed: 27 September 2012
Section: 6 Spill procedures.	Changed: 4 April 2013
Section: 7 Handling procedures.	Changed: 4 April 2013
Section: 7 Storage procedures.	Changed: 4 April 2013
Section: 8 Clothing recommendations.	Changed: 27 September 2012
Section: 8 Eye protection.	Changed: 27 September 2012
Section: 8 Glove protection.	Changed: 4 April 2013
Section: 8 Hazardous ingredients.	Changed: 27 September 2012
Section: 8 Respiratory protection.	Changed: 27 September 2012
Section: 8 Ventilation procedures.	Changed: 4 April 2013
Section: 10 Conditions to avoid.	Changed: 27 September 2012
Section: 10 Incompatibility.	Changed: 27 September 2012
Section: 11 Chronic toxicity.	Changed: 27 September 2012
Section: 11 Eye irritation.	Changed: 27 September 2012
Section: 11 Inhalation toxicity.	Changed: 4 April 2013
Section: 11 Skin irritation.	Changed: 27 September 2012
Section: 12 Bioconcentration	Changed: 27 September 2012
Section: 12 Accumulation.	Changed: 27 September 2012
Section: 15 SARA section 311/312.	Changed: 27 September 2012
Section: 16 HMIS codes.	Changed: 27 September 2012
Section: 16 Principal hazards.	Changed: 27 September 2012