



Material Safety Data Sheet

H.M.I.S.
Health: 0
Flammability: 1
Reactivity: 0
These ratings should be used only as a part of a fully implemented H.M.I.S. program.

Section I - Product Identification

Trade Name and Synonyms GD AEON Centrifugal Blower Lubricating Grease	Part Numbers: 301RGA786, 304RGA786, 302RGA786, 305RGA786	Health Emergency Phone Number Safety Department 217-222-5400
Manufacturer's Name Gardner Denver, Inc.		
Address 100 Gardner Park Peachtree City, GA 30269		Transport Emergency Phone Number (800) 424-9300 (CHEMTREC)
Product Identification Centrifugal Blower Lubricating Grease		
Chemical Names and Synonyms	Use or Description	

Section II - Composition/Information on Ingredients

Substance Name	Approx. Wt.	%
ALKARYL AMINE (68259-36-9)		1-5

Section III - Chemical and Physical Properties

Appearance:	Grease	Color:	Red
Odor:	Mild	Odor Threshold-ppm:	NE
pH:	NA	DMSO Extract, IP-346 (WT.%)	<3, for mineral oil only
Boiling Point C (F):	NA	Drop Point C (F):	NE
Flash Point C (F):	>204 (400) (Estimated for oil, ASTM D-92 (COC))	Solubility in Water:	
Flammability (solids):	NE	Auto Flammability C (F)	NA
Explosive Properties	NA	Oxidizing Properties	NA
Vapor Pressure-mmHg 20c	<0.1	Vapor Density:	NE
Evaporation Rate:	NE	Relative Density, 15/4 C:	0.889
Solubility in Water:	Negligible	Partition Coefficient:	>3.5
Viscosity at 40 C, cSt:	>90.0	Viscosity at 100 C, cSt:	14.5
Pour Point C (F)	NA	Freezing Point C (F):	NE
VOC:	<1.00 (Wt. %); 0.083 lbs/gal	Note:	Most physical properties for oil component.
NA=Not Applicable NE = Not Established D=Decomposes			

Section IV - Hazards Identification

Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines.			
Emergency Overview:	Red Grease.	DOT ERG NO. :	NA
POTENTIAL HEALTH EFFECTS:	Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation.		

Section V - First Aid Measures

Eye Contact:	Flush thoroughly with water. If irritation occurs, call a physician.
Skin Contact:	Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician 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.
Ingestion	Not expected to be a problem. Seek medical attention if discomfort occurs. DO NOT INDUCE VOMITING.
Inhalation	Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.

Section VI - Fire Fighting Measures

Flash Point: C (F)	>204 (400) Estimated for oil, ASTM D-92 (COC)
Flammable Limits (approx. % volume in air)	
LEL:	NE
UEL:	NE
Extinguishing Media:	Carbon dioxide, foam, dry chemical and water fog.
Special fire fighting procedures:	Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Special Protective Equipment:	For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
Unusual Fire and explosion Hazards:	None
NFPA Ratings:	Health: 0, Flammability: 1, Reactivity: 0
Combustion products:	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Section VII - Stability and Reactivity

Stability (Thermal, Light, Etc.):	Stable.
Conditions to Avoid:	Extreme heat and high energy sources of ignition.
Incompatibility with other Materials:	Strong oxidizers.
Hazardous Decomposition:	Product does not decompose at ambient temperatures.
Hazardous Polymerization:	Will not occur.

Section VIII - Accidental Release Measures

Notification Procedures:	Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
Procedures if material is released or spilled:	<p>Land Spill: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary dispose of absorbed residues as directed in Section XIII.</p> <p>Water Spill: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.</p>
Environmental Precautions:	Prevent material from entering sewers, water sources or low lying areas ; advise the relevant authorities if it has, or if it contaminates soil/vegetation.
Personal Precautions:	See section 10.

Section IX - Handling and Storage

Handling:	High pressure injection under the skin may occur due to the rupture of pressurized lines. Always seek medical attention. No special precautions are necessary beyond normal good hygiene practices. See Section 10 for additional personal protection advice when handling this product.
Storage:	Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants.
Special Precautions:	Prevent small spills and leakage to avoid slip hazard.
Empty Container Warning:	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 OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Section X - Exposure Controls/Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:	
This product does not contain any components which have recognized exposure limits.	
VENTILATION:	Use adequate ventilation.
PERSONAL PROTECTIVE EQUIPMENT:	
General Considerations:	
Eye Protection:	Generally eye contact is unlikely with this type of material. If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.
Skin Protection	If prolonged or repeated skin contact is likely, oil impervious gloves should be worn. Good personal hygiene practices should always be followed.
Respiratory Protection:	No special requirements under ordinary conditions of use and with adequate ventilation.

Section XI - Toxicological Information

Animal Data:	<p>Oral Toxicity (Rats): Practically non-toxic (LD50: greater than 2000 mg/kg). – Base on testing of similar products and /or the components.</p> <p>Dermal Toxicity (rabbits): Practically non-toxic (LD50: greater than 2000 mg/kg). – Based on testing of similar products and/or the components.</p> <p>Inhalation Toxicity (Rats): Practically non-toxic (LC50: greater than 5 mg/1). –Base on testing of similar products and/or the components.</p> <p>Eye Irritation (Rabbits) : Practically non-irritating (Draize score; greater than 6 but 15 or less). – Based on testing of similar products and/or the components.</p> <p>Skin Irritation (Rabbits) : Practically non-irritating. (Primary irritation Index: greater than 0.5 but less than 3). –Based on testing of similar products and/or the components.</p> <p>Other acute toxicity data: Although an acute inhalation study was not performed with this product, a variety of mineral oils and synthetic base oils, such as those in this product have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.</p>
Subchronic Toxicology (Summary)	No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).
Reproductive Toxicology (Summary)	No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.
Chronic Toxicology (Summary)	Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. For mineral base oils : Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils : The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.

Sensitization (Summary)	Not expected to be sensitizing based on tests of this product, components, or similar products.
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Section XII - Ecological Information

Environmental Fate and Effects:	This environmental assessment was conducted using information on the individual components as no test data was available for this specific formulation.
ECOTOXICITY	The major components in the formulation show no aquatic toxicity at 1000 mg/L loading, therefore long-term adverse effects in the aquatic environment are not expected.
MOBILITY	Not established
PERSISTENCE AND DEGRADABILITY	This product is expected to be inherently biodegradable, as the principal components have been shown to degrade at slow to moderate rates.
BIOACCUMULATIVE POTENTIAL	Not established.

Section XIII - Disposal Considerations

Waste Disposal:	Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
RCRA Information	Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP). BENZENE: .001 PCT (TCLP)

Section XIV - Transportation Information

Shipping Information:	USA DOT: Not regulated by USA DOT. RID/ADR: Not regulated by RID/ADR. IMO: Not regulated by IMO. IATA: Not regulated by IATA.
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Section XV - Regulatory Information

US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.				
EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.				
Governmental Inventory Status: All components comply with TSCA and EINECS/ELINCS.				
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no “Extremely Hazardous Substances”. SARA (311/312) Reportable Hazard Categories : None. This product contains the following SARA (313) Toxic Release Program:				
CHEMICAL NAME	CAS NUMBER	LIST CITATIONS		
Naphthalene (component analysis) (0.01%)	91-20-3	16, 22		
Lithium Hydroxide (0.09%)	1310-65-22	22		
Lithium-Soap Thickener (10.41%)	7620-77-1	22		
Fatty Acids, C16-22, Lithium Sales (1.29%)	68783-36-8	22		
REGULATORY LISTS SEARCHED				
1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12-TSCA 5a2	17-CA P65 REPRO	22=MI293
3=ACGIH A2	8=IARC 2B	13=TSCA 5E	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19-FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12B	20=IL RTK	25=PA RTK
Code key: CARC=carcinogen; SUS=suspected carcinogen; REPRO – Reproductive				26=RI RTK

Section XVI - Other Information

USE: Multiservice Grease

Note: Products are not formulated to contain PCBS.

Health studies are not shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INDUSTRIAL LABEL

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.

Precautionary Label Text:

This warning is given to comply with California Health and Safety Code 25249.6 and does not constitute an admission or a waiver of rights. This product contains a chemical known to the State of California to cause cancer.

Legally required information is given in accordance with applicable information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OF SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or retransmission of the information contained herein in any other format than the format as presented is strictly prohibited. Gardner Denver neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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