



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION.

D-A Lubricant

1340 W. 29th St.
Indianapolis, IN 46208
317/923-5321

CHEMICAL EMERGENCY HOTLINE 800 899-9004

PRODUCT NAME: **OPEN GEAR ALL SEASON**

PRODUCT DESCRIPTION: OPEN GEAR

CHEMICAL FAMILY: PETROLEUM OIL, GREASE

EFFECTIVE DATE: 01/22/09

SUPERCEDES DATE: 02/19/08

Dear Customer:

In compliance with the Superfund Amendments and Reauthorization Act (SARA Title III, Section 313), Federal Hazard Communications Regulations (WHMIS and OSHA 29 CFR 1910.1200) and in the interest of informed use of our product, we are providing you with this Material Safety Data Sheet (MSDS).

This MSDS will be updated regularly to reflect the most recent information in our possession. Please ensure that obsolete MSDS sheets in your files for this part number are discarded.

We THANK YOU for your continued patronage and look forward to providing you with additional quality products and services.

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SECTION 2 - HAZARDOUS INGREDIENTS

COMPONENT	CAS #	% WT	PEL	TLV	STEL	UNITS	LC50, PPM	LD50, MG/KG
PETROLEUM OILS								
	64742-65-0	60-99	5	5	10	MG/M3		RATI 13000 RABA 2000
	64741-56-6	60-99	5	5		MG/M3		RATI 13000 RABA 2000
GRAPHITE								
	07782-42-5	6-8	2.5	2.0		MG/M3		
MOLYBDENUM DISULFIDE								
	01317-33-5	<1	15	10		MG/M3		RATI 6500
ZINC DIORGANO-DITHIOPHOSPHATE								
	68649-42-3	<1						RATI >5000 RABA >2000 SARA Rep.
LITHIUM 12-HYDROXYSTEARATE								
	07620-77-1	6-8						

SECTION 3 - PHYSICAL DATA

Boiling Pt Deg F/C: >500/>260	Specific Gravity: 0.85 to 0.92
Vapor Pressure (MM HG): NIL	% Volatile Volume: NIL
Vapor Density (Air=1): N/A	Evaporation Rate: <0.1
Solubility in Water: NEGLIGIBLE	Water/Oil Dist Coeff: 0

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Appearance and Odor: Black grease with petroleum odor

Physical State: SEMI-SOLID

PH: N/A

Freeze Pt Deg F/C: N/A

Threshold Odor, PPM: N/A

Other: N/A

VOC: Lbs/Gal = N/A

Grams/Liter = N/A

Grams VOC/Gram Solid = N/A

% VOC: N/A

Boiling Pt Deg F/C: >500/>260

Specific Gravity: 0.85 to 0.92

Vapor Pressure (MM HG): NIL

% Volatile Volume: NIL

Vapor Density (Air=1): N/A

Evaporation Rate: <0.1

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Water/Oil Dist Coeff: 0

Appearance and Odor: Black grease with petroleum odor

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PH: N/A

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Threshold Odor, PPM: N/A

Other: N/A

VOC: Lbs/Gal = N/A

Grams/Liter = N/A

Grams VOC/Gram Solid = N/A

% VOC: N/A

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Classification: Combustible at high temp NFPA Rating: 0.1.0

Combustion products: CO, CO₂, Smoke, Sulfur, Nitrogen, Lithium, Molybdenum and Zinc Compounds.

Flash Point Deg F/C: >370/>188

LEL %: N/A % UEL %: N/A %

Extinguishing Media: Water Fog, Foam, Dry Chemical, CO₂, Sand, or Earth.

UN/NA/PIN#: N/A

Special Fire Fighting Procedures

Firefighters should wear self-contained breathing equipment. Treat as a Class B fire. Use water to cool threatened containers.

Auto Ign. Temp Deg F/C: >500/>260

Unusual fire and explosion hazards: N/A

Explosion Power: N/A

Impact Sensitive: No

Burning Rate: Low

Static Sensitive: No

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Explosion Power: N/A

Impact Sensitive: No

Burning Rate: Low

Static Sensitive: No

SECTION 5 - HEALTH HAZARD DATA

Product guide: TLV see Section 2

STEL: see Section 2

Routes of Entry: Skin contact, Eye, Inhalation, Ingestion

Effects of Overexposure:

Acute; may cause respiratory system, skin, and/or eye irritation.

Ingestion may cause nausea, cramps, diarrhea, and other gastrointestinal disorders.

Chronic; excess mist may cause respiratory problems.

Excess skin contact may cause dryness and/or sensitization.

Any suspected carcinogen = or > 0.1%?: NO

Emergency and First Aid Procedures

Eye: Immediately flush with water for 15 minutes and call a physician.

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Inhalation: If affected, remove to fresh air, administer oxygen and call a physician.

Skin: Wash thoroughly with plenty of water and soap.

Ingestion: Seek a physician immediately, show MSDS or Label; DO NOT induce vomiting.

Wash soiled clothing before wearing again.

Product guide: TLV see Section 2 STEL: see Section 2

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Any suspected carcinogen = or > 0.1%?: NO

Emergency and First Aid Procedures

Eye: Immediately flush with water for 15 minutes and call a physician.

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SECTION 6 - REACTIVITY DATA

Stable: YES Conditions to Avoid: N/A

Incompatibility (Materials to avoid): YES, strong oxidizing agents

Hazardous Decomposition Products: YES, combustion products, see Section 4

Hazardous Polymerization: NO Conditions to Avoid: N/A

Stable: YES Conditions to Avoid: N/A

Incompatibility (Materials to avoid): YES, strong oxidizing agents

Hazardous Decomposition Products: YES, combustion products, see Section 4

Hazardous Polymerization: NO Conditions to Avoid: N/A

SECTION 7 - SPILL OR LEAK PROCEDURES

Listed in SARA Title III, #302: NO #304, Cercla: NO #313: YES

Steps to be taken in case material is released or spilled:

Eliminate source if safe to do so. Prevent from entering waterways and drains. Wear suitable personal protective equipment. Dike and absorb with inert material and transfer to a sealed approved container for disposal.

Report Quantity, Lb: N/A Kg: N/A TPQ, Lb: N/A

Regulations: SARA Other: N/A

Hazard Waste: NO

NO.:

Disposal Method: In accordance with Federal, State, and Local Regulations.

*** SARA Waste Characteristic: N/A

*** EPA Hazardous Waste Number: N/A

Listed in SARA Title III, #302: NO #304, Cercla: NO #313: YES

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More technical information (MSDS) available upon request. For professional industrial use only. Good personal hygiene is important. Empty containers retain residue which can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other ignition sources; they may explode and cause injury or death.

The information and recommendations provided herein are believed to be accurate as of the date hereof. However, such information and recommendations are provided without warranty of any kind and D-A Lubricant disclaims any and all liability or legal responsibility for use or reliance upon same.
