ALLIANT POWER – LUBRIGUARD
SAFETY DATA SHEET

1. Product And Company Identification

Product Name: ALLIANT POWER - LUBRIGUARD

Responsible Party: Diesel Forward Inc.
6167 Pepsi Way
Windsor, WI 53598

Information Phone Number: 1-800-735-7358
Emergency Phone Number: 1-800-735-7358
Hours of Operation are 7:30 a.m. – 5:00 pm CST Monday – Friday.
SDS Date Of Preparation: 01/31/2017
Product Use and Uses Advised Against:
Automotive maintenance product – For consumer and professional use.

2. Hazards Identification

GHS Classification:

Physical:	**Health:**
Flammable Liquid Category 4	Acute Oral Toxicity Category 4 Eye Irritation Category 2A Skin Irritation Category 2 Carcinogen Category 2 Specific Target Organ Toxicity Category 3 (Central Nervous System (CNS) and Respiratory Irritation) Aspiration Hazard Category 1

GHS Label Elements:



Danger!

Statements of Hazard

Combustible Liquid
Harmful if swallowed
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation.
May cause drowsiness or dizziness
Suspected of causing cancer

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, flames, and hot surfaces. - No smoking.
Avoid breathing mist, vapors or spray.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, and eye protection.

Precautionary Statements Continued

Storage
Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Store locked up.

Disposal
Dispose of contents and container in accordance with local and national regulations.

Response
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting.
Rinse Mouth
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.
IF exposed or concerned: Get medical advice.
In case of fire: Use water fog, foam, carbon dioxide or dry chemical to extinguish.

Hazards not otherwise specified: None

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Solvent naphtha (petroleum), heavy aromatic.	64742-94-5	50-70
2-Ethylhexyl nitrate	27247-96-7	15-25
Butylbenzene, tert-	98-06-6	0-25
1,2,4-trimethylbenzene	95-63-6	1-10
Naphthalene	91-20-3	1-10
Long-chain alkenyl acid	Trade Secret	1-10
Benzene, 1,2,3,5-tetramethyl-	527-53-7	0-10
1,4-Diethylbenzene	105-05-5	0-10
1,2,3,4-Tetramethylbenzene	488-23-3	0-10
Solvent naphtha (petroleum), light aromatic	64742-95-6	1-5
Benzene, 1,2,5-trimethyl-	526-73-8	0-5
1H-Indene, 2,3-dihydro-	496-11-7	<3
Benzene, diethyl-	25340-17-4	<3
Alkyl amine	Trade Secret	<3
Benzene, 1,3-diethyl-	141-93-5	<2
Cumene	98-82-8	<1

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Get medical attention if symptoms appear and persist.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash exposed skin with soap and water.

If skin irritation or redness develops, get medical attention.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. If irritation or other symptoms persist, get medical attention.

Ingestion: DO NOT induce vomiting. If the victim is fully conscious, have them rinse their mouth with water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Most Important Symptoms: Eye and skin irritant. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis. Inhalation of mists or vapors may cause central nervous system effects such as dizziness, drowsiness, headache and nausea. Inhaled mists may cause irritation to upper respiratory tract. Harmful if swallowed. Aspiration hazard – may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may also cause gastrointestinal effects such as nausea, vomiting and diarrhea and central nervous system effects. Contains materials that may cause cancer based on animal data. This risk of cancer depends on the level and duration of exposure.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical treatment is required for ingestions which may result in an aspiration hazard. Material may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Combustible liquid and vapor. Vapors may accumulate in confined areas and present a fire or explosion hazard. Vapors may be heavier than air and travel along surfaces to remote ignition sources and flash back. Closed containers may rupture if exposed to extreme heat. Burning may produce carbon monoxide and carbon dioxide, and unburned hydrocarbons.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Caution – slip hazard. Eliminate all ignition sources and ventilate the area. Ventilate the area. Wear appropriate protective equipment.

Methods and Materials for Containment and Clean-Up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.

7. Handling and Storage

Precautions for Safe Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Use only with adequate ventilation. Keep product away from heat, flames and all other sources of ignition. Keep containers closed when not in use. Do not permit smoking in use or storage areas. Keep out of the reach of children.

Empty containers retain product residue and may be hazardous. Do not reuse empty containers.

Conditions for Safe Storage, Including any Incompatibilities:

Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store locked up. Store away from oxidizing agents and other incompatible materials. Keep away from open flames, sparks, and excessive heat.

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Solvent naphtha (petroleum), heavy aromatic.	500 ppm TWA OSHA PEL 200 mg/m^3 TWA ACGIH (as total hydrocarbon vapor)
2-Ethylhexyl nitrate	None Established
Butylbenzene, tert-	None Established
1,2,4-trimethylbenzene	25 ppm TWA ACGIH TLV
Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV (Skin)
Long-chain alkenyl acid	None Established
Benzene, 1,2,3,5-tetramethyl-	None Established
1,4-Diethylbenzene	None Established
1,2,3,4-Tetramethylbenzene	None Established
Solvent naphtha (petroleum), light aromatic	500 ppm TWA OSHA PEL 200 mg/m^3 TWA ACGIH (as total hydrocarbon vapor)
Benzene, 1,2,5-trimethyl-	25 ppm TWA ACGIH TLV
1H-Indene, 2,3-dihydro-	None Established
Benzene, diethyl-	5 ppm TWA AIHA WEEL
Alkyl amine	None Established
Benzene, 1,3-diethyl-	None Established
Cumene	50 ppm TWA OSHA PEL (Skin) 50 ppm TWA ACGIH TLV

Ventilation: General ventilation should be adequate for all normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Respiratory Protection: None under normal use conditions. For operations where the exposure limits are exceeded, a NIOSH approved respirator with an organic vapor cartridge or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Gloves: Impervious gloves such as neoprene or nitrile are recommended if needed to avoid prolonged or repeated skin contact.

Eye Protection: Safety glasses or goggles are recommended if eye contact is possible.

Other Protective Equipment/Clothing: Appropriate protective clothing as needed to prevent prolonged or repeated skin contact.

9. Physical and Chemical Properties

Appearance and Odor: Liquid with a hydrocarbon odor.

Physical State: Liquid	**Odor Threshold:** Not available
pH: Not applicable	**Vapor Pressure:** Not determined
Initial Boiling Point/Range: Not determined	**Vapor Density:** Not determined
Melting/Freezing Point: Not determined	**Percent Volatile:** 100%
Solubility In Water: Not determined	**Evaporation Rate:** Not determined
Viscosity: Not determined	**VOC Content:** Not determined
Specific Gravity: 0.926	**Autoignition Temp:** Not determined
Coefficient Of Water/Oil Distribution: Not determined	**Flame extension:** Not applicable
Flash Point: 157°F (69.5°C)	**Flammability (solid, gas):** Not applicable
Flammability Limits: LEL: 0.7 (Trimethyl benzene) UEL: 6.6 (Trimethyl benzene)	**Decomposition Temperature:** Not available

10. Stability and Reactivity

Reactivity: Not normally reactive
Chemical Stability: Stable under normal storage and handling conditions.
Conditions to Avoid: Keep away from excessive heat and open flames.
Incompatible Materials: Strong oxidizing agents and reducing agents
Hazardous Decomposition Products: Burning may produce carbon monoxide and carbon dioxide, and unburned hydrocarbons.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Inhalation of mists or vapors may cause central nervous system effects such as dizziness, drowsiness, headache and nausea. Inhalation may also cause upper respiratory irritation.

Skin Contact: Causes skin irritation. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis.

Eye Contact: Causes eye irritation with redness, tearing and pain.

Ingestion: Harmful if ingested. Aspiration hazard – may enter the lungs during swallowing or vomiting and cause

serious lung damage, which may be fatal. Ingestion may also cause gastrointestinal effects such as nausea, vomiting and diarrhea and central nervous system effects with symptoms of drowsiness, headache, dizziness and unconsciousness.

Chronic Effects: Prolonged or repeated overexposure may cause adverse effects on the blood, kidneys, liver, and heart.

Carcinogenicity Listing: Naphthalene and Cumene are classified by IARC as a possible human carcinogen (group 2B). Naphthalene, and Cumene are classified by NTP as a reasonably anticipated human carcinogen. None of the other ingredients of this product at 0.1% or greater are listed as carcinogens by IARC, NTP, or OSHA.

Numerical Measures of Toxicity:

Product Calculated ATE:	LD50 Oral: 1,416 mg/kg
	LD50 Skin: >2,000 mg/kg
	LC50 Inhalation: >25 mg/L
Solvent naphtha (petroleum), heavy aromatic:	
	LD50 Oral Rat: 2,000 - 5000 mg/kg
	LD50 Skin Rabbit: >2000 mg/kg
	LC50 Inhalation Rat: 0.02 - 300 mg/L/4 hr.
2-Ethylhexyl nitrate:	LD50 Oral Rat: 500 mg/kg (Estimated)
	LD50 Skin Rat: 1,100 mg/kg (Estimated)
	LC50 Inhalation Rat: 1.0 mg/L/4 hr. (Estimated)
Butylbenzene, tert-:	LD50 Oral Rat: 3,045 mg/kg
	LD50 Skin Rat: >2000 mg/kg
1,2,4-trimethylbenzene:	LD50 Oral Rat: 6,000 mg/kg
	LC50 Inhalation Rat: 10.2 mg/L/4 hr.
Naphthalene:	LD50 Oral Rat: 490 mg/kg
	LD50 Skin Rat: 2,500 – 16,000 mg/kg
	LC50 Inhalation Rat: 0.40 mg/L/4 hr.
Long-chain alkenyl acid:	LD50 Oral Rat: 6,000 mg/kg
Benzene, 1,2,3,5-tetramethyl-:	LD50 Oral Rat: 5,157 mg/kg
1,4-Diethylbenzene:	LD50 Oral Rat: >2,000 mg/kg
	LC50 Inhalation Rat: 5 mg/L/4 hr.
1,2,3,4-Tetramethylbenzene:	LD50 Oral Rat: 6,408 mg/kg
Solvent naphtha (petroleum), light aromatic:	
	LD50 Oral Rat: >5000 mg/kg
	LD50 Skin Rabbit: >2000 mg/kg
Benzene, 1,2,5-trimethyl-:	LD50 Oral Rat: >2,000 mg/kg
1H-Indene, 2,3-dihydro-:	LD50 Oral Rat: >2,000 mg/kg
Benzene, diethyl-:	LD50 Oral Rat: >20,000 mg/kg
	LD50 Skin Rabbit: >5,000 mg/kg
Alkyl amine:	LD50 Oral Rat: 272 mg/kg
	LD50 Skin Rabbit: >2000 mg/kg
	LC50 Inhalation Rat: 1.7 – 5.8 mg/L/6 hr.
Benzene, 1,3-diethyl-:	LD50 Oral Rat: >2,000 mg/kg
Cumene:	LD50 Oral Rat: 2,910 mg/kg
	LD50 Skin Rabbit: 10,578 mg/kg
	LC50 Inhalation Rat: 8,000 ppm/4 hr.

12. Ecological Information

Ecotoxicity:
Classified as Acute Aquatic Toxicity Category 2 and Chronic Aquatic Toxicity Category 2 under GHS criteria.

Solvent naphtha (petroleum), heavy aromatic:	
	LC50: Fish 580 – 8,410 ug/L/96 hr.; EC50: Invertebrate 760 – 4,700 ug/L/48 hr.
2-Ethylhexyl nitrate:	LC50: Fish 2 mg/L/96 hr.; EC50: Invertebrate 12.6 mg/L/48 hr.
1,2,4-trimethylbenzene:	LC50: Fish 7.72 mg/L/96 hr.; EC50: Invertebrate 3.6 mg/L/48 hr.
Naphthalene:	LC50: Fish 6.08 mg/L/96 hr.; EC50: Invertebrate 2.16 mg/L/48 hr.
1,4-Diethylbenzene:	LC50: Fish 2.5 mg/L/96 hr.; EC50: Invertebrate 32 mg/L/24 hr.
Solvent naphtha (petroleum), light aromatic:	
	LL50: Fish 8.2 - 10 mg/L/96 hr.; EL50: Invertebrate 4.5 mg/L/48 hr.
Benzene, diethyl-:	NOEC: Fish 308 ug/L/96 hr.; EC50: Invertebrate 760 – 4,700 ug/L/48 hr.
Benzene, 1,3-diethyl-:	LC50: Fish 4.15 mg/L/96 hr.
Cumene:	LC50: Fish 6.32 mg/L/96 hr.; EC50: Invertebrate 3.44 mg/L/48 hr.

Persistence and Degradability: No data for product.

Bio accumulative Potential: No data for product.

Mobility in Soil: No data for product.

Other Adverse Effects: No data available

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations.

14. Transport Information

DOT Hazardous Materials Description: Not Regulated in non-bulk packagings (119 gallons and smaller).

Canadian TDG Hazardous Materials Description: Not regulated in small means of containment

IMDG Dangerous Goods Description: Not regulated in packages with inner containers of 5 L / 5 kg or less per IMDG 2.10.2.7.
Packages with single or inner containers greater than 5 L / 5 kg: UN3082, Environmentally Hazardous Substances, liquid, n.o.s. (contains Naphthalene), 9, III, Marine Pollutant

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

This product contains a substance that has been issued a non-5(e) Significant New Use Rule SNUR under 40 CFR Section 721.10576. Those who manufacture, import or process this substance must maintain records to whom they

directly sell or transfer this product. Those records include the names and addresses (including shipment destination address, if different), the date of each sale or transfer, and the quantity of the substance sold or transferred on such date. This substance is limited to use as a Dispersant for Lubricating Oils, Detergent in diesel fuel for marine, mining, on-road heavy duty diesel and agricultural equipment and Detergent for use in Diesel Fuel Terminals.

CERCLA Section 103: This product has an RQ of 1000 lbs. based on the RQ for naphthalene of 100 lbs. present at 10% maximum. Oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health, Fire Hazard

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): 1,2,4-trimethylbenzene 1-10%
Naphthalene 1-10%
Cumene <1%

California Proposition 65:
This product contains the following regulated chemicals:

Naphthalene 1-10%
Cumene <1%
Ethylbenzene <0.1%
Toluene <0.1%
Benzene <0.1%
BENZO[A]PYRENE <0.1%

Canada:

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.

This product contains a substance that is the subject of a Significant New Activity (SNAc) notice under CEPA.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

16. Other Information

DATE OF CURRENT REVISION: January 31, 2017

REVISION SUMMARY: Revise IMDG Transport Section 14

DATE OF PREVIOUS REVISION: April 12, 2016