



MATERIAL SAFETY DATA SHEET

CONFORMS TO DIRECTIVE 2001/58/EC AMENDING DIRECTIVE 91/155/EEC

Section 1. Identification of the Company and the Preparation

Product Name	JAX GREEN-CLEAN CLEANER/DEGREASER (BULK, TRIGGER SPRAY)	Revision Date	12/1/2008
		Supersedes Date	11/30/2008
Supplier	PRESSURE-LUBE, INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA	Product No.	JAX00122
		Material Use	Detergent/cleaner

Non-Emergency Contact Phone: 1-800-782-8850 (North America) +01-262-781-8850 (International)
 Fax: 1-262-781-3906 (North America) +01-262-781-3906 (International)

In Case of Emergency CHEMTREC: 1-800-424-9300 (North America) +01-703-527-3887 Collect (International)

Section 2. Composition / Information on Ingredients

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments. Components listed below either meet the reporting requirements as specified in U.S. 29 CFR 1910.1200 or EU Directive 1999/45/EC as amended, or are reported for informational purposes only.

Ingredient*	%	PEL/TLV, Source	CAS #	EINECS #	EU Hazard Symbol	R-Phrases**
Diphosphoric acid, tetrapotassium salt	1-5	NE	7320-34-5	230-785-7	None	None
Sodium gluconate	<1	NE	527-07-1	208-407-7	None	None
Monoethanolamine	<1	6 mg/m ³ , OSHA	141-43-5	205-483-3	None	None
n,n-Diethanolamine	1-5	2 mg/m ³ , ACGIH	111-42-2	203-868-0	Xn	R22-38-41-48/22
Ethylene glycol monobutyl ether	5-10	50 ppm, OSHA	111-76-2	203-905-0	Xn	R20/21/22-36/38

*See Section 11 for LD₅₀ and LC₅₀ of ingredients.

**See Section 16 for full text of R-Phrases.

Section 3. Hazards Identification

Physicochemical Hazards Not physicochemically hazardous per EU Directive 1999/45/EC definitions.
Human Health Hazards See Section 11.
Environmental Hazards This preparation is not expected to be dangerous to the environment. This material is expected to be readily biodegradable.

Section 4. First Aid Measures

Eye Contact Immediately flush with water for a minimum of 15 minutes or until material is removed. Be sure to remove contact lenses, if present, and to lift upper and lower eyelids during rinsing. Get medical attention if irritation persists.
Skin Contact Rinse skin with water. Rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
Ingestion Give several glasses of water to dilute. DO NOT induce vomiting. If stomach upset occurs, consult physician.
Inhalation Remove to fresh air. Get medical attention if irritation persists.

Section 5. Firefighting Measures

Flash Point	None	Autoignition Temperature	N/A
Sensitive to Mechanical Impact	No	Sensitive to Static Discharge	No
Lower Flammability Limit	N/A	Upper Flammability Limit	N/A

Extinguishing Media Not applicable -- product is water-based and nonflammable.
Special Hazards None
Products of Combustion Hazardous decomposition products include oxides of phosphorus, oxides of potassium, nitrogen oxides, and ammonia.
Special Protective Equipment for Firefighters Not applicable -- product is water-based and nonflammable.



Section 6. Accidental Release Measures

Personal Precautions Extinguish all sources of ignition. Provide sufficient ventilation and/or respiratory protection. Wear appropriate protective clothing, gloves, face mask, goggles/glasses to prevent contact with the eyes and skin. See Section 8.
Environmental Precautions Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter

sewers, watercourses, or extensive land areas.

Methods for Clean-Up Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Dispose of in accordance with national and/or local regulations relating to waste disposal.

Section 7. Handling and Storage

Handling Do not get into eyes, on skin or clothing. Do not breathe vapor or mist. Do not store or transfer to unmarked container. Read label before using.

Storage Store in tightly sealed containers. Do not store in direct sunlight. Keep away from heat, sparks and open flame. Store containers below 120°F (49°C). Do not throw empty container into fire or trash compactor. Keep out of reach of children.

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limit See Section 2.

Respiratory Protection Use with adequate ventilation. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.

Ventilation Use in a well-ventilated area. See Engineering Controls.

Protective Gloves Any lined non-permeable rubber gloves.

Eye Protection Chemical splash goggles or face shield are advised when eye contact may occur.

Personal Hygiene Wash exposed areas with soap and water when finished using this product. Do not eat or drink when using this product. Do not swallow. Wash hands before eating or using washroom.

Engineering Controls Implement engineering controls so that workplace exposure limit(s) of product or any component is not exceeded. Use impervious protective clothing (gloves, boots, apron or full body suit) depending on operation to protect skin from liquid contact.

Section 9. Physical and Chemical Properties

Appearance/Odor	Transparent green-colored liquid with mild characteristic detergent odor	Vapor Pressure	N/A
pH	N/A	Solubility in Water	100%
Boiling Point	N/A	Density	N/A
Oxidizing Properties	Not an oxidizer	Viscosity	N/A
Percent Volatile	N/A	Vapor Density	N/A
Coefficient of Water/Oil Distribution	N/A	Evaporation Rate	N/A
Partition Coefficient: n-octanol/water	N/A	Physical State	Liquid at room temperature

Section 10. Stability and Reactivity

Conditions and Materials to Avoid Avoid strong oxidizers.

Hazardous Polymerization Hazardous polymerization will not occur.

Hazardous Decomposition Products Hazardous decomposition products include oxides of phosphorus, oxides of potassium, nitrogen oxides, and ammonia.

Section 11. Toxicological Information

Routes of Entry Skin contact, eye contact, ingestion and inhalation.

Skin Prolonged and repeated contact may cause irritation in sensitive individuals. Exposure to sensitive skin may cause persistent irritation. Repeated daily application without rinsing, or continuous contact of this product on the skin may lead to temporary, but reversible, irritation.

Eye Mild eye irritant. May cause slight irritation and redness.

Ingestion Relatively non-toxic by ingestion.

Inhalation Exposures to concentrate/mist may cause mild irritation of nasal passages or throat.

Acute Toxicity / LD₅₀ and LC₅₀ of Ingredients

Ingredient	LD ₅₀	LC ₅₀
Diphosphoric acid, tetrapotassium salt	Dermal/Rabbit > 4640 mg/kg	N/A
Sodium gluconate	N/A	N/A
Monoethanolamine	Oral/Rat = 1720 mg/kg	Inhalation/Mouse = 2420 mg/m ³ /2h
n,n-Diethanolamine	Oral/Rat = 620 µL/kg	N/A
Ethylene glycol monobutyl ether	Oral/Rat = 470 mg/kg	Inhalation/Rat = 450 ppm/4h

Chronic Toxicity / Carcinogenicity

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
Diphosphoric acid, tetrapotassium salt	7320-34-5	No	No	No
Sodium gluconate	527-07-1	No	No	No
Monoethanolamine	141-43-5	No	No	No
n,n-Diethanolamine	111-42-2	No	No	Category 3 (not classifiable)
Ethylene glycol monobutyl ether	111-76-2	No	No	No

Section 12. Ecological Information

Ecotoxicity	N/A	Bioaccumulative Potential	N/A
Mobility	N/A	Persistence and Degradability	N/A

Section 13. Disposal Considerations

Waste Disposal Consult national or regional authorities for proper disposal and reporting procedures. All disposals must comply with national and regional regulations.

Section 14. Transportation Information

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

U.S. D.O.T.

Proper Shipping Name: None
UN/NA Number: None
Hazard Class: None
Packing Group: None
Remarks Not regulated

Land Transport ADR/RID

Proper Shipping Name Not regulated
UN/NA Number None
Hazard Class None
Packing Group None

Maritime Transport IMDG

Proper Shipping Name Not regulated
IM Number None
IMDG Code None
Packing Group None

Air Transport IATA

Proper Shipping Name Not regulated
UN Number None
Hazard Class None
Packing Group None
Remarks None



Section 15. Regulatory Information

U.S. Federal Regulations

CERCLA	Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is regulated by 40 CFR 302.4 : Diethanolamine, CAS #111-42-2, RQ = 100 lbs.
SARA (Section 313)	This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: SARA 313 Category: Glycol ethers, Amount \leq 10.0% SARA 313 List: Diethanolamine, CAS #111-42-2, Amount < 3.0%
SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
TSCA Inventory	All components of this material are on the U.S. TSCA Inventory.
State Regulations	
California Prop. 65	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None

European Community Regulations

The content and format of this Material Safety Data Sheet are in accordance with Commission Directive 2001/58/EC, amending for the second time Commission Directive 91/155/EEC.

European Community Label Requirements

Danger Symbol(s) None

S-Phrase(s) Not classified according to EU Directive 1999/45/EC

R-Phrase(s) Not classified according to EU Directive 1999/45/EC

Canada This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.

Section 16. Other Information

Component R-Phrase(s) R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
R22: Harmful if swallowed
R36/38: Irritating to skin and eyes
R38: Irritating to skin
R41: Risk of serious damage to eyes
R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed

HMIS® Ratings Health: **1** Fire: **0** Physical Hazard: **0**
HMIS® Ratings: 0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard

Abbreviations that May Be Used in this Document N/A = Not available
N/E = Not established

Sections Revised New MSDS format

Revision Date 12/1/2008

The information and recommendations contained herein are, to the best of Pressure-Lube, Inc.'s knowledge and belief, accurate and reliable as of the date issued. Pressure-Lube, Inc. makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and Pressure-Lube, Inc. shall not be liable for any loss or damage based up on the criteria supplied by the developers of these rating systems, together with Pressure-Lube, Inc.'s interpretation of the available data.

*** END OF MSDS ***