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**Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION**

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**MANUFACTURED FOR:**

Power-Line Products  
PO Box 475  
Rupert, ID 83350

**EMERGENCY TELEPHONE NO.:**

DAYS: (208) 531-4100  
24 Hour Emergency HAZMAT Response: (800) 229-5252  
EPA National Response Center: (800) 424-8802

**PRODUCT NAME:**

Purge-Ca

**PRODUCT SYNONYMS:**

Soil Surfactant, Soil Modifier

**CHEMICAL NAME/CLASS:**

Proprietary Soil Modifier Solution

**PRODUCT USE:**

Surfactant/Soil Amendment

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**Section 2 – HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

**APPEARANCE:** Dark Brown Liquid

**ODOR:** Carmel-like

**PHYSICAL FORM:** Liquid

**SIGNAL WORD:** None

**EMERGENCY OVERVIEW:** Caution. May irritate, skin, eyes and respiratory tract.

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** This product may irritate eyes and skin upon contact. Not considered to be toxic for humans. However, in keeping with good industrial hygiene practices, exposure to any chemical should be kept at a minimum.

**INHALATION:** May cause coughing, dizziness, weakness, dry throat/chest.

**CONTACT WITH SKIN:** May cause symptoms of skin irritation such as reddening, and itching. May cause allergic contact dermatitis with repeated exposure.

**CONTACT WITH EYES:** Causes severe irritation, and reddening. May cause pain and swelling. Strong solutions may be corrosive to eyes and cause Corneal Ulcerations.

**INGESTION:** Causes pain in mouth, throat, nausea and possible vomiting and diarrhea and possible death in severe cases.

**CHRONIC EXPOSURE:** Unknown

**ACUTE:** The primary hazard associated with this product is the potential for mild to moderate irritation of skin, eyes, and other contaminated tissue.

HEALTH: 2

REACTIVITY: 0

FLAMMABILITY: 0

ENVIRONMENT: 0

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

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**Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

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INGREDIENT NAME	CAS REGISTRY NUMBER	TYPICAL WT/VOLUME
Polyhydroxy polyphenoxy Carboxylic Acid,		
Calcium Salt	8061-52-7	45-55%
Alkyl Phenol Ethoxylate	9016-45-9	5-14%
Water	7732-18-5	Balance

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**Section 4 – FIRST AID MEASURES**

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**SKIN EXPOSURE:** Contact can irritate the skin. Flush skin with running water and wash with soap. Remove contaminated clothing and shoes. If irritation persists, obtain medical attention.

**EYE EXPOSURE:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**INHALATION:** Move to an area free from risk of further exposure. Treat symptomatically if required. No adverse effects anticipated by this route of exposure incidental to proper handling.

**INGESTION:** Have victim rinse mouth with water. If conscious, give large quantity of water to dilute acid blend. Immediately seek medical attention. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

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**Section 5 – FIRE FIGHTING MEASURES**

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**FLASH POINT:** Not Applicable. Product is non-flammable

**AUTOIGNITION TEMPERATURE:** Not Applicable.

**FLAMMABLE LIMITS (in air by volume, %):** Lower (LEL): Not applicable.  
Upper (UEL): Not applicable.

**FIRE EXTINGUISHING MATERIALS:** Carbon Dioxide: YES      Foam: YES  
Dry Chemical: YES

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not generally considered an explosion hazard.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Move container if possible and cool with flooding amounts of water. Avoid breathing corrosive vapors. In or near fire material emits corrosive Hydrogen chloride gas. Fire Fighters should wear full protective clothing and NIOSH-approved self contained breathing apparatus with full face-piece operated in the positive pressure mode.

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## Section 6 – ACCIDENTAL RELEASE MEASURES

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**IN CASE OF SPILL OR LEAK:** In case of release to the environment, report spills to the National Response Center 1-800-424-8802. RQ Not listed as blend. Keep people away. Flush away leaks or spills by flooding with water as quickly as possible. Dike to prevent watershed, waterway and water supply contamination. Using extreme caution because of heat generation, neutralize diluted acid with limestone, lime or soda ash. Any release of this material, during the course of loading, transporting, unloading or temporary storage, must be reported to U.S. DOT as required by 49 CFR 171.15 and 171.16.

**Deactivating Material:** Unknown.

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## Section 7 – HANDLING AND STORAGE

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**WORK PRACTICES AND HYGIENE PRACTICES:** Wear appropriate Personal Protection Equipment. As with all chemicals, avoid getting this product on you or in you. Wash hands after handling this product. Do not eat, drink, smoke or apply cosmetics while handling this product. All work practices should minimize the generation of spills, splashes and aerosols. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Avoid breathing dust or mists generated by this product. Use in a well-ventilated location. Containers of this product must be properly labeled. Empty containers may contain residual product; therefore, empty containers should be handled with care. Store containers in a cool, dry location out of direct sunlight. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.

**PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Follow practices indicated in Section 8 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all spills, residues, and rinsates, and dispose according to applicable U.S. Federal, State, or local procedures, or the applicable Canadian standards.

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## Section 8 – EXPOSURE CONTROL, PERSONAL PROTECTION

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**VENTILATION AND ENGINEERING CONTROLS:** Use adequate local or general ventilation where necessary to maintain the concentrations well below the recommended occupational exposure limits. Ensure the eyewash stations and safety showers are proximal to the work area.

**RESPIRATORY PROTECTION:** Avoid breathing mist or powdered residues. If unavoidable, use appropriate MSHA/NIOSH approved respiratory protection.

**EYE PROTECTION:** Wear face-shield and splash goggles, to prevent contact with this product. As a general rule, do not wear contact lenses when handling.

**HAND PROTECTION:** Wear appropriate impervious gloves for routine handling of the material to prevent contact.

**BODY PROTECTION:** Chemical resistance data for protective equipment used should be determined based on the use of this product. Neoprene or rubber protective garment have been suggested for protection against material of this chemical class. A face-shield should be used when appropriate to prevent face and eye contact with splashed materials.

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## Section 8 – PHYSICAL AND CHEMICAL PROPERTIES

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**VAPOR DENSITY:** Not Available  
**BULK DENSITY:** 9.5lb/gal  
**SOLUBILITY IN WATER:** Complete  
**VAPOR:** Not available  
**ODOR THRESHOLD:** No Data  
**SPECIFIC GRAVITY:** ~1.14  
**APPEARANCE AND COLOR:** Dark Brown Liquid

**EVAPORATION RATE (n-BuAc = 1):** Not Applicable.  
**FREEZING POINT or RANGE:** Not Available  
**BOILING POINT:** Not Available  
**pH:** Not Available  
**LOG WATER/OIL DISTRIBUTION COEFFICIENT:** Not available

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## Section 10 – STABILITY AND REACTIVITY

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**STABILITY:** Stable under ordinary condition of use and storage.

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**DECOMPOSITION PRODUCTS:** Normal product of organic combustion.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Incompatibles

## Section 11 – TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** Unknown.  
**Acute Aquatic Toxicity:** Unknown

Ingredient	Test	Result	Route	Species
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**CARCINOGENICITY:** Not Available

**REPRODUCTIVE EFFECTS:** Not Available.

**MUTAGENICITY:** Not Available

**TERATOGENICITY:** Not Available

## Section 12 – ECOLOGICAL INFORMATION

**Environmental Fate:** All material are bio-degradable

**Toxicity of Products:** No data found

## Section 13 – DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual material. **Note:** Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulation.

## Section 14 – TRANSPORT INFORMATION

This product is not listed by any U.S. or Canadian transportation authority as a hazardous material and as such, no specific information is available.

## Section 15 – REGULATORY INFORMATION

**UNITED STATES:**

**CERCLA:** Not Listed

**SARA TITLE III HAZARD CATEGORIES AND LISTS**

Category		List	
Acute (Immediate) Health	No	Extremely Hazardous Substance	No
Chronic (Delayed) Health	No	(40CFR 355, SARA title III Section 302)	
Fire	No	CERCLA Hazardous Substance	No
Reactivity	No	(40CFR 302.4)	
Sudden Release of Pressure	No	Toxic Chemical	No
		(40CFR 372.65, SARA Title III Section 313)	

**Reportable Quantity (RQ):** None

**TSCA Inventory Status:** Yes (as components)

**Right-To-Know:**

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** No

**CANADIAN:**

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INGREDIENTS LISTED ON DSL.....N/A  
WHMIS CLASSIFICATION.....N/A  
WHMIS HEALTH EFFECTS INDEX.....N/A  
WHMIS Ingredient Disclosure List: .....N/A

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.