

Issue Date: January 2012 (Supersedes December 2006)

## MATERIAL SAFETY DATA SHEET

---

### 1. IDENTIFICATION

Product Name: **PRO-KLEEN GRANULAR**

Product Code: **PKLEGR**

Product Use: Heavy Duty agricultural boom-spray and tank cleaner.

Company Name:

GREVILLIA AG PTY LTD (ABN 36 083 323 817)

Address 10 Bult Drive Brendale Queensland 4500 Australia.

**Emergency Tel 24hr 0428 727 300**

Tel/Fax Tel: (07) 3205 1788 Fax: (07) 3205 4327

---

### 2. HAZARD IDENTIFICATION

This material is classified as hazardous under Worksafe Australia criteria. Causes severe burns. Risk of severe damage to eyes.

Proper Shipping Name: Corrosive Solid NOS

UN Number: 1759

DG Class None: 8

Packing Group: ii

Hazchem Code: 4WE

Poisons Schedule: S6

---

### 3. COMPOSITION & INGREDIENTS:

Name	CAS	Proportion
Sodium hydroxide	1310-73-2	30-60%
Alkaline Salts	497-19-8	<30%
Chlorine Donor	51580-86-0	<10%
Other non-hazardous ingredients		balance

---

### 4. FIRST AID INFORMATION

If Swallowed: Rinse mouth and drink plenty of water. DO NOT INDUCE VOMITING. Seek medical advice immediately. Contact Poisons Information Centre for further advice 13 11 26

If Eye Contact Occurs: Flush with copious quantities of water with eyelids open for at least 15 minutes. Seek medical attention.

If Skin Contact Occurs: Immediately wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation occurs, seek medical advice.

If Inhalation of vapour occurs: Remove affected person to fresh air and seek medical attention.

Advice To Doctor – Treat Symptomatically

---

### 5. FIRE FIGHTING MEASURES:

Extinguishing Media: Water spray, Foam, Carbon Dioxide or Dry Chemical Powder.

Special Procedures: Wear breathing apparatus & Protective Clothing. Solution created by dissolving of solid Pro-Kleen Granular is highly alkaline. Prevent run-off into drains and waterways.

Hazardous Decomposition Products: Emits toxic fumes including those of chlorine.

---

## **6. ACCIDENTAL RELEASE MEASURES:**

Spills – Sweep up spills immediately. If material is mixed with water when spilt, mop up with chemical absorbent. Prevent material from entering drains. Place spilled material and absorbent into disposable containers for disposal according to local regulations.

---

## **7. HANDLING & STORAGE:**

Storage: Store material in original containers in a cool, dry well-ventilated place out of direct sunlight. Keep containers closed at all times. Store away from other oxidizing substances and sources of ignition. Store away from foodstuffs. Ensure that pallets are clean and free from oil. This material is a Class 8 corrosive and must be stored in accordance with Australian Dangerous Goods Legislation. Store away from items listed in Section 10.

Handling: Avoid eye contact, direct skin contact and breathing in of dust. Avoid handling which results in creation of dust.

---

## **8. EXPOSURE CONTROL AND PERSONAL PROTECTION:**

Occupational Exposure Limits: No value assigned for this specific material by the NOCHS. However, for its decomposition products:

Chlorine: Peak Limitation = 3 mg/m<sup>3</sup> (1 ppm)

As published by the National Occupational Health and Safety Commission.

Ventilation: ensure adequate ventilation when using this material. Keep containers closed when not in use. Avoid creation of breathable dusts.

Personal protective clothing: Use gloves and eye/face protection when using this material. Use of long sleeves and long pants is strongly recommended. Wash clothing after each work period. Wash hands and face thoroughly when leaving work area or before ingestion of food and drink; and before smoking or using the toilet.

---

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance: blue/white granular material

Odour: chlorine

Melting Point: N/A

Boiling Point: not determined

Volatile Component: not determined

Specific Gravity: N/A

Flammability limits: Not determined

Solubility: soluble in water. Creates highly alkaline liquid

---

## **10. STABILITY AND REACTIVITY**

Stability & Materials to Avoid: Incompatible with acids, aluminium, tin, zinc and chlorinated hydrocarbons. Will absorb moisture from the

atmosphere. Reacts exothermically with water. Avoid exposure to heat, other oxidizing substances

---

## 11. TOXICOLOGICAL INFORMATION

Primary routes for long term exposure to this item are via inhalation or skin or eye contact. To prevent this type of exposure, please refer to Exposure Control above.

### **Acute Affects:**

**Swallowed:** Highly corrosive - Causes severe burns.

**Inhalation:** In poorly ventilated areas this material will cause irritation of mucous membranes and/or respiratory tract, headache and nausea.

**Eye Contact:** May result in eye injury.

**Skin Contact:** Can result in skin irritation and/or burns.

**Chronic Affects:** Exposure Limits No exposure limits have been set for the product. However, exposure standards for constituents – sodium Hydroxide: TWA = 2.0 mg/m<sup>3</sup> These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept as low as is workable.

---

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Solution is highly alkaline and may burn plant life and be toxic to marine life.

---

## 13. DISPOSAL CONSIDERATIONS

**Container Disposal:** Do not re-use containers for any purpose. Wash out with large quantities of water and dispose of in accordance with local regulations.

**Spills:** Ventilate area without spreading dust. Ensure that material cannot come into contact with oils, acids and other materials specified in Section 10 above. Collect spilled material on chemical absorbent and dispose of spilled material and waste in sealable open-top type containers for disposal according to local regulations. Prevent from entering drains, waterways or sewers.

---

## 14. TRANSPORT INFORMATION

Considered dangerous goods by the Australian Code for Transport by Road and Rail.

UN No: 1759 Corrosive Solids N.O.S (Contains sodium hydroxide)

DG Class: 8

Hazchem Code: 4WE

Packing Group: II

---

## 15. REGULATORY INFORMATION

Packaging Labeling: Poison S6. Caution. Keep Out of Reach of Children.

Read Safety Directions Before Opening

AICS Status: All components are listed on the AICS.

---

## 16. OTHER INFORMATION:

The information in this material safety data sheet refers to the concentrated material. When diluted as described on the label the acute health effects of exposure may be less severe.

This material safety data sheet supersedes all previous issues.

It is the responsibility of the Purchasers of this product to ensure that all safety information and environmental information is provided to any people who may use this product.

The information contained within this safety data sheet is correct to the best of our knowledge and is provided in good faith. Grevillia Ag cannot control the conditions in which it is used so therefore each user must, prior to usage, assess and control the risks arising from their use of the material

Contact Normal Hours: Mr. John Lever Phone: (07) 3205 1788  
After Hours: Mr. John Lever Phone: 0428 727 300

.....End of MSDS.....