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**Material Safety Data Sheet**

**Product Name:** ProGuard 100, ProGuard 200, ProGuard 300

**Date:** September 1, 2004

**Section I - General Information**

**Manufacturer/Supplier :** ProMark Associates, Inc.

**Chemical Name and Synonyms:** Potassium Permanganate, PG100, PG200, PG300

**Formula:** KMnO<sub>4</sub> impregnant (4-8%) on aluminum oxide (72-78%)

**Chemical Family:** Inorganic Oxidizer

**CAS Number:** 7722-64-7

**DOT Proper Shipping Name:** NMFC 13090 ALUMINA

**Section II - Hazard Specifications**

**Known Hazards Under 20 CFR 1910 1200**

	Yes	No		Yes	No
Combustible Liquid		x	Skin Hazard		x
Flammable Material		x	Eye Hazard	x	
Pyrophoric Material		x	Toxic Agent		x
Explosive Material		x	Highly Toxic Agent		x
Unstable Material		x	Sensitizer		x
Water Reactive Material		x	Carcinogen		x
Oxidizer		x	Reproductive Toxin		x
Organic Peroxide		x	Blood Toxin		x
Corrosive Material		x	Nervous System Toxin		x
Compressed Gas		x	Lung Toxin		x
Irritant		x	Liver Toxin		x
			Kidney Toxin		x

**TLV** N/A      **DOT HAZARD CLASS** N/A      **EPA HAZARD WASTE CLASS** N/A  
**PEL** N/A      **NEPA HAZARD SIGNAL** N/A

**Section III - Safe Usage Data**

**Protective Equipment Types**

**Eyes:** Goggles or safety glasses recommended  
**Respiratory:** NIOSH approved dust mask recommended  
**Gloves:** Rubber gloves recommended  
**Other:** Standard work clothing covering arms and legs

**Ventilation**

**General Mechanical:** Yes      **Local Exhaust:** If dusting is excessive

**Precautions**

**Handling and Storage:** Store in cool dry area in enclosed containers  
**Other:** Do not eat, avoid contact with eyes and skin

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## Section IV - Emergency Response Data

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### Fire

**Extinguishing Media:** ProGuard is not flammable

**Special Procedures:** None

**Unusual Hazards:** None

### Exposure

**First Aid Materials:** Dust inhalation: move to fresh air . Skin contact: wash area.

Ingestion: seek medical attention.

Eye contact: flush with large quantities of water, seek medical attention.

### Spills

**Steps To Be Taken:** Clean floor with broom or shovel.

**Waste Disposal:** New material may be disposed of in landfill; spent material that has removed toxic chemicals should be examined for specific hazards.

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## Section V - Physical Hazard Data

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**Flammability:** N/A

**Conditions to Avoid:** None

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Hazardous Decomp PDTS:** Dilute KMnO<sub>4</sub> solution when wetted.

**Incompatibility:** Protect from water and exposure to contaminated air, otherwise media may be rendered useless.

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## Section VI - Health Hazard Data

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### Effects of Exposure

ProGuard media is non-toxic upon oral, skin, and inhalation exposure and is a non-irritant of the skin. Breathing of dust may cause sneezing. Skin may feel dry after contact. ProGuard media is an eye irritant.

### Emergency Treatment

Flush eye with large quantities of water and seek medical attention.

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## Section VII - Physical and Chemical Properties

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**Boiling Point:** N/A

**Vapor Density (Air=1):** N/A

**Vapor Press:** N/A

**pH:** N/A

**Solubility In Water:** Partially soluble

**Will Dissolve In:** Concentrated acids and alkalies

**Odor:** No significant odor


**Volatile Components:** N/A

**Appearance:** Spherical purple pellets

**Evaporation Date:** N/A

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**Name:** Jeffrey Roseberry

**Signature:** 

**Date:** September 1, 2004