

MATERIAL SAFETY DATA SHEET

Emergency Telephone (262) 251-4977

Name: Alliance Group, Inc. Address: N114 W18621 Clinton Drive
City: Germantown State: Wisconsin Zip Code: 53022
Product name: Rustoscale #6
Product code: 0117

Section II Composition/Information on Ingredients

Table with 3 columns: ITEM, CAS Number, Chemical Component. Rows include Potassium Hydroxide, Sodium Carbonate, and Quebracho Tanning Extract.

Table with 7 columns: Item, TLV-TWA, TLV-STEL, PEL-TWA, PEL-Ceiling, Company TLV-TWA, SKIN. Rows include exposure limits for items 01, 02, and 03.

\*-Ceiling Value

Section III Hazard Identification

Emergency Overview: Harmful if inhaled. Harmful if swallowed. Causes severe skin and eye burns.

Eyes: Corrosive. Will cause eye burns and permanent tissue damage.

Skin: Corrosive. Causes permanent skin damage (scarring).

Ingestion: Corrosive. Corrosive and may cause severe and permanent damage to mouth, throat and stomach.

Inhalation: Harmful if inhaled. As any acid or caustic, inhalation of vapors, mist, dusts, etc. can cause burns in the respiratory tract which may lead to permanent damage.

Principal Routes of Absorption: inhalation, skin contact, ingestion, eye contact

Effects of overexposure: Chronic Hazard: No information.

Carcinogenic Ingredients: OSHA: NO NTP: NO IARC: NO

Section IV First Aid Measures

First Aid Procedure - Never give fluids or induce vomiting if patient is unconscious or having convulsions.

CALL A PHYSICIAN

Eyes: Immediately flush with large amounts of cool water for 15 minutes, holding lids apart. Get medical attention immediately. Washing within one minute is essential to achieve maximum effectiveness.

Skin: Wash contaminated area with cool water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Footwear cannot be decontaminated. Seek medical attention immediately.

Ingestion: Do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Keep airway clear if vomiting occurs spontaneously. Call physician or poison control center immediately.

Inhalation: Remove victim to fresh air. If breathing has stopped, resuscitate and administer oxygen if available. If breathing is difficult, give oxygen. Seek medical attention.

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### Section V Fire and Explosive Data

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Flash Point: N/A                      Flammable Limits              lfl:N/A              ufl:N/A

Extinguishing Media: Water Fog, Dry Chemical, Foam, CO2, Alcohol Foam

Unusual Fire and Explosion Hazards: In water solution caustic can react with amphoteric metals (such as Aluminum) generating Hydrogen which is flammable and/or explosive if ignited.

Special Fire Hazards and Equipment Required: Firefighters should wear full protective clothing and pressure-demand self-contained breathing apparatus in areas where product is stored. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

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### Section VI Accidental Release Measure

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Steps to be taken in case of spills: Leaks should be stopped. Spills should be contained and absorbed with an inert material ( e.g. dry sand or earth), then placed in a properly labeled chemical waste container for disposal. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g. dirt or sand may be handled by removing the affected soil or sand & placing in approved containers. Persons performing cleanup work should wear adequate personal protective equipment and clothing. Follow all government regulations. Acting cautiously, small accidental spills of caustic solution should be carefully flushed with water. Dilute acid, preferably acetic acid, may be used to neutralize only the final traces of caustic after flushing. Flush area with water to remove residual contamination.

**CAUTION:** Caustic soda solution may react violently with acids and water.

Waste disposal methods: materials resulting from clean-up operations may be hazardous wastes and therefore subject to specific regulations. Package, store, transport, and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations. Shipments of waste materials may be subject to

manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state, and local agencies receive proper notification of spill and disposal methods

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### Section VII Handling and Storage

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Precautions to be taken in Handling and Storage: Store in a secure, cool, dry area. Keep from freezing. Keep container tightly closed when not in use. Do not store near acids or metals (see incompatibility). Wear protective gear listed below when handling. Do not transfer to unlabelled containers. Wash thoroughly after handling. **Do Not Get in Eyes, on Skin, or on Clothing.**

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### Section VIII Exposure Controls/Personal Protection

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Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminations to within their TLV's during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### Protective Equipment:

Eyes: Chemical goggles, face shield. Do not wear contact lenses.

Gloves: Consult your glove manufacture for compatibility. Impervious gloves

Other: Impervious protective clothing, apron, gauntlets, eye wash, safety shower

Ventilation Requirements: Adequate local exhaust ventilation

**NOTE:** WHERE CARBON MONOXIDE MAY BE GENERATED, SPECIAL VENTILATION MAY BE  
Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after the container is emptied because they may retain product residues. Avoid contact with skin, eyes, and clothing.

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### Section IX Physical Data

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Solid:	Liquid: X	Appearance:	dark brown
Specific Gravity:	1.1	odor:	none
Solubility in water:	complete	pH:	>14
%Volatiles:	0	Freezing Point:	Not Determined
Vapor Density:	Heavier than air	Evaporation Rate:	Slower than Butyl Acetate
Boiling Range:	212 - 293 F	Vapor Pressure:	N.D.
Coefficient of water/oil distribution:	N.D.		

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### Section X Stability and Reactivity

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Product Stable: No Yes X (Under normal conditions)

Hazardous Polymerization: will not occur (Under normal conditions)

Conditions to avoid: Heat, sparks and open flame. Product absorbs carbon dioxide from the air. Keep container closed and sealed.

Incompatibility: Aluminum, tin, zinc, and their alloys, alkalis, amines, acids, strong oxidizers, halogens. Product is a strong caustic alkali. May react violently with water, acid and a number of organic compounds.

Hazardous Decomposition Products: May liberate carbon monoxide or carbon dioxide.

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**Section XI Toxicological Properties**

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No product or component toxicological information is available.

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**Section XII Ecological Information**

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No information available

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**Section XIII Disposal Considerations**

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Follow all federal, state and local regulations

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**Section XIII Transportation Information**

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DOT Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, NOS  
DOT Technical Name: Potassium Hydroxide  
DOT Hazard Class: Class 8  
DOT UN/NA Number: UN1760                      Packing Group II                      Resp. Guide Page: 60

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**Section XV Regulatory Information**

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CERCLA-SARA Hazard Category:

This product has been reviewed according to the EPA Hazard Categories promulgated under section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	CAS Number	WT/Wt % is less than
No SARA Section 313 components exist in this product		

Toxic Substance Control Act:

The chemical substances in this product are on the TSCA Section 8 Inventory.

	Section XVI		Other Information
	HMIS	NFPA	Key
Health	2	2	0- minimal
Flammability	0	0	1- slight
Reactivity	0	0	2- moderate
Warning	N/A	N/A	3- serious
			4- severe

\*\*Complies with CFR Title 21 Section 173.310 for boiler water and steam which may contact dairy products.\*\*

The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made. date: November 17, 2000 By: D.C. Miller

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