

MATERIAL SAFETY DATA SHEET
emergency telephone (262) 251-4977

Section I - Chemical Product and Company Identification

Name: **Alliance Group, Inc.** Address: N114 W18621 Clinton Drive
City: Germantown State: Wisconsin Zip Code: 53022
Product name: **Rustoscale Polysperse BW**
Product code: 0161

Section II - Composition/Information on Ingredients

CAS Number	Chemical Component	OSHA Hazard	% by Wt.
1336-21-6	Ammonium Hydroxide	Yes	<1.0%
79-10-7	Acrylic Acid	Yes	<20 ppm

Section III - Hazards Identification

Physical State: Liquid

Color: Colorless

Odor: Mild Odor

Emergency Overview: CAUTION: Do not get in eyes, on skin or clothing. Do not swallow. Avoid breathing mist or dust.

POTENTIAL HEALTH EFFECTS

Routes of exposure: Eyes. Inhalation. Skin. Ingestion.

Target Organs: None known

Eyes: May cause mild irritation.

Skin: May causes mild skin irritation. Prolonged contact may cause: drying.

Skin Absorption: No evidence of harmful effects based on available information.

Ingestion: No hazard expected under normal use.

Inhalation: May cause mild irritation. Vapors or mist may cause: irritation.

Medical Conditions Aggravated by Exposure to Product: Respiratory system disorders. Skin disorders.

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: Flush with large amounts of cool water for 15 minutes. If irritation occurs obtain medical attention.

Skin: Wash off with water for 15 minutes. Then wash with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Ingestion: DO NOT INDUCE VOMITING. Get medical attention if symptoms develop. No hazard expected under normal use.

Inhalation: Remove victim to fresh air. If not breathing, resuscitate then give Oxygen. Obtain immediate medical attention if breathing becomes difficult or respiratory irritation occurs.

Section V - Fire Fighting Measures

Flash Point: N/A Flammable Limits lfl: N/A ufl: N/A
Autoignition temperature: Not Determined
Extinguishing Media: For fires in the area use appropriate media. For example: CO₂, foam, water fog, dry chemical.
Fire Fighting Methods: Evacuate area of unprotected personnel. Fire fighters should use self-contained breathing apparatus, and full protective gear as in any fire. Remain upwind of the fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors.
Fire and Explosion Hazard: None known.
Hazardous Combustion Products: Acrylic monomers. Carbon oxides. Hydrocarbons.

Section VI- Accidental Release Measures msds0161

Steps to be taken in case of spills: Evacuate area of unprotected personnel. Maintain adequate ventilation. Wear protective gear (see Sec. VIII). Never exceed any occupational exposure limit. CAUTION: Spilled material may be slippery. Contain on absorbent medium (dry sand or earth). Collect spill and store in drums for proper disposal. Flush area of spill with water. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Avoid dust or mist formation.

Section VII - Handling and Storage

Storage:

Precautions to be taken in handling and storage: Store in a secure, cool well ventilated area, out of the direct sunlight. Keep container tightly closed when not in use. Do not store near feed or food, or near extreme heat. Do not store in unlabeled or mislabeled containers. Do not freeze. Wash thoroughly after handling. Avoid excessive heat.

Handling:

Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling. Empty containers contain product residues (vapor, dust, or liquid) and can be

dangerous. DO NOT CUT, PRESSURIZE, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCE OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section VIII - Exposure Control/Personal Protection

Engineering Controls: Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Keep levels below exposure limits. Do not use in a closed or confined spaces. If dust or mist is generated, local exhaust is needed to avoid overexposure.

Respiratory Protection: None required under normal use. 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. If vapors or mist are present, wear: NIOSH-Approved respirator. NIOSH-Approved air-purifying respirator with: Organic vapor cartridge.

PROTECTIVE EQUIPMENT

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

Gloves: Impervious gloves

Other: Rubber Apron, Gauntlets, Eye wash, Safety shower

Ventilation Requirements: Local ventilation exhaust.

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 contain product residues. Avoid prolonged and repeated contact with the skin.

EXPOSURE GUIDELINES:	OSHA		ACGIH	
	PEL	STEL/C	TWA	STEL/C
Ammonium Hydroxide	*50 ppm	*35 ppm	*25 ppm	*35 ppm
Acrylic Acid	Not Estab	S 10 ppm +	S 2 ppm	Not Estab.

Note: S=Skin notation + Vacated 1989 OSHA PEL(.s) * Exposure limit for ammonia given.

Section IX-Physical and Chemical Properties

Specific Gravity: 1.02

Solubility in water: Complete

% Volatiles: Not Determined

Vapor Density: Not Determined

Evaporation Rate: Not Determined

Odor Threshold: Not Determined

Odor: None

Freezing Point: Not Determined

pH:6.0-7.0

Boiling Range: Not determined

Melting Point: Not Determined

VOC: Not Applicable

Section X- Stability and Reactivity

Product Stable: Under normal conditions.

Hazardous Polymerization: Will not occur under normal conditions

Conditions to avoid: Heat sparks and open flame and elevated temperatures.
Incompatibility: Strong oxidizers. Strong oxidizing agents. Hydrogen peroxide. Permanganates. Perchlorates.
Hazardous Decomposition Products: CO, CO2, Ammonia, Nitrogen oxides, Sulfur oxides, Hydrogen chloride.

Section XI - Toxicological Properties

No product or component toxicological information is available.

Section XII - Ecological Information

Ecological Information: No information

Section XIII - Disposal Information

Disposal Method: Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. Follow all federal, state and local regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Since emptied containers retain product residue, follow label warnings even after container is emptied. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and / or laws governing you location.

Section XIIIII - Transportation Information

DOT Proper Shipping Name: Compound, Boiler Cleansing, Preserving
DOT Technical Name: Scale Preventing, Liquid
DOT Hazard Class: Not DOT Regulated
DOT UN/NA Number: Packing Group: Resp. Guide Page

Section XV - Regulatory Information

U.S. Federal Regulations: As follows

SARA Title III Section 311/312 Category:
Immediate (acute) Health Hazard: Yes
Delayed (Chronic) Health Hazard: NO
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

SARA Section 302/304/313/HAP:

Component	RQ (lbs) (*1)	RQ (LBS) (*2)	TPQ (Lbs) (*3)	SEC 313 (*4)	HAP (*5)
-----------	------------------	------------------	-------------------	-----------------	-------------

Ammonium Hydroxide 1000	N.A.	N.A.	YES	No
Acrylic Acid 5000	N.A.	N.A.	YES	YES

- *1=CERCLA Reportable Quantity
- *2=SARA Reportable Quantity
- *3=SARA EHS Threshold Planning Quantity
- *4=SARA 313 Toxic Chemical/Category
- *5=U.S. EPA Hazardous Air Pollutant

Toxic Substances Control Act
 The chemical substances in this product are on the TSCA Section 8 Inventory or are exempt.

California-The following components are listed under Prop 65: This product contains (a) chemical(s) known to the State of California to cause cancer.

Wisconsin: The following components are listed as a Wisconsin HAP: NONE

Section XVI - Other Information

HMIS RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Legend: N.A. - Not Applicable N.E. - Not Established
 N.D. - Not Determined
 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: October 16, 2000 By: D.C Miller