SAFETY
DATA SHEET

DOCUMENT NO.: 504 | REVISED DATE 03/08/2016

Alpha Professional Tools®

For chemical emergency spill, leak, fire, exposure or accident call (CHEMTREC) 800-424-9300. This MSDS complies with 29 CFR 1919.1200 (The Osha Hazard Communication Standard).

Section 1: Identification

Product / Chemical Name:
Stain Removal

Product Identification No: Stain Removal
Chemical Family: Mixture
Trade Name and Synonyms: N/A
Molecular Formula: N/A
Chemical Name: N/A
Chemical Formula: N/A
Rational Formula: N/A

Distributor Name:
Alpha Professional Tools®

Address:
103 Bauer Drive, Oakland, NJ 07436

Emergency Tel. No.:
CHEMTREC 800-424-9300

Section 2: Hazard(s) Identification

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Classification of the Substance or Mixture
Classification (GHS-US)

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US): Warning

Hazard Statements (GHS-US):
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H401 - Toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352+P362 - IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 - If skin irritation occurs: Get medical advice/ attention.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. May cause an allergic reaction in sensitive individuals.

Unknown Acute Toxicity (GHS-US)
Not available

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Section 3: Composition/Information on Ingredients

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Disodium carbonate	(CAS No) 497-19-8	60 - 100	Eye Irrit. 2A, H319
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	(CAS No) 68585-34-2	3 - 7	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt	(CAS No) 9004-82-4	3 - 7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Water	(CAS No) 7732-18-5	1 - 5	Not classified
Potassium chloride	(CAS No) 7447-40-7	1 - 5	Not classified
Alcohols, C12-16, ethoxylated	(CAS No) 68551-12-2	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400
Sodium sulfate	(CAS No) 7757-82-6	1 - 5	Not classified
Acusol 425N Polymer	(CAS No) Not available	0.1 - 1	Not classified
Sodium percarbonate	(CAS No) 15630-89-4	0.1 - 1	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401
Tinopal CBS	(CAS No) 27344-41-8	0.1 - 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Subtilisins (proteolytic enzymes)	(CAS No) 9014-01-1	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.
Full text of H-phrases: see section 16

Section 4: First-Aid Measures

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Brush off loose particles from skin. Rinse immediately with plenty of water (for at least 15 minutes). Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

Eye Contact: Do not rub. Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Seek medical attention if a large amount is swallowed. Rinse mouth. Do NOT induce vomiting. If vomiting occurs have person lean forward.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes skin irritation. Causes serious eye irritation.

Inhalation: May cause respiratory irritation. May cause pulmonary edema.

Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye Contact: Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Ingestion: Ingestion is likely to be harmful or have adverse effects. Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: For surrounding fire. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

Hazardous Combustion Products: Carbon oxides (CO, CO2). Sulfur oxides. Sodium oxides.

Reference to Other Sections

Refer to section 9 for flammability properties

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe dust or fumes. Avoid skin and eye contact.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Avoid release to the environment. Contact competent authorities after a spill.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill. Clean up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. For further information refer to section 13.

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Section 7: Handling and Storage

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Ensure all national/local regulations are observed.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container tightly closed. Store away from incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Heavy metals.

Specific End Use(s)

Laundry Detergent.

Section 8: Exposure Controls/Personal Protection

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Subtilisins (proteolytic enzymes) (9014-01-1)

USA ACGIH	ACGIH Ceiling (mg/m^3)	0.00006 mg/m^3
USA NIOSH	NIOSH REL (STEL) (mg/m^3)	0.00006 mg/m^3
Alberta	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
British Columbia	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Manitoba	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
New Brunswick	OEL Ceiling (mg/m^3)	0.00006 mg/m^3 (proteolytic enzymes)
Newfoundland & Labrador	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Nova Scotia	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Nunavut	OEL Ceiling (mg/m^3)	0.00006 mg/m^3 (Proteolytic enzymes)
Northwest Territories	OEL Ceiling (mg/m^3)	0.00006 mg/m^3 (Proteolytic enzymes)
Ontario	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Prince Edward Island	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Québec	PLAFOND (mg/m^3)	0.00006 mg/m^3 (Proteolytic enzymes)
Saskatchewan	OEL Ceiling (mg/m^3)	0.00006 mg/m^3
Yukon	OEL Ceiling (mg/m^3)	0.00006 mg/m^3 (Proteolytic enzymes)

Exposure Controls

Appropriate Engineering Controls: For occupational/workplace settings: Ensure adequate ventilation, especially in confined areas.

Avoid creating or spreading dust. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: For occupational/workplace settings and bulk quantities: Gloves. Protective goggles.

Protective clothing. Dust formation: dust mask.

Materials for Protective Clothing: For occupational/workplace settings: Chemically resistant materials and fabrics. Hand

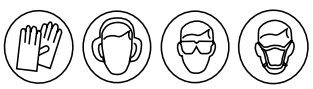
Protection: For occupational/workplace settings: Wear chemically resistant protective gloves.

Eye Protection: For occupational/workplace settings: Chemical safety goggles.

Skin and Body Protection: For occupational/workplace settings: Wash contaminated clothing before reuse.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Other Information: When using, do not eat, drink or smoke.



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Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties
Physical State: Solid
Appearance: White powder with blue speckles
Odor: Scented or unscented per label
Odor Threshold: Not available
pH: Not applicable
Evaporation Rate : Not available
Melting Point: Not applicable
Freezing Point: Not available
Boiling Point: Not applicable
Flash Point: Not applicable
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Flammability (solid, gas): Not available
Lower Flammable Limit: Not available
Upper Flammable Limit: Not available
Vapor Pressure: Not available
Relative Vapor Density at 20 °C: Not available
Relative Density: Not available
Specific gravity / density: 0.65 g/cc @ 20°C
Specific Gravity: Not available
Solubility: Not available
Partition Coefficient: N-Octanol/Water: Not available
Viscosity : Not available
Explosion Data – Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge: Not expected to present an explosion hazard due to static discharge

Section 10: Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7). Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Keep away from moisture, water, ignition sources, direct sunlight, extremely high or low temperatures, incompatible materials.
Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Heavy metals.
Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO2). Sulfur oxides. Sodium oxides.

Section 11: Toxicological Information

Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data:
LD50 Oral Rat: ≈ 3 g/kg
Skin Corrosion/Irritation: Causes skin irritation
pH: Not applicable
Serious Eye Damage/Irritation: Causes serious eye irritation
pH: Not applicable
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not **classified Reproductive Toxicity:** Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause respiratory irritation. May cause pulmonary edema
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis
Symptoms/Injuries After Eye Contact: Causes serious eye irritation.
Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects Chronic
Symptoms: None expected under normal conditions of use
Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data:
Disodium carbonate (497-19-8)
LD50 Oral Rat: 4090 mg/kg
LC50 Inhalation Rat: 2300 mg/m^3 (Exposure time: 2 h)
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)
LD50 Oral Rat: 1600 mg/kg
Sodium sulfate (7757-82-6)
LD50 Oral Rat: > 10000 mg/kg
Tinopal CBS (27344-41-8)
LD50 Oral Rat: > 2000 mg/kg
LD50 Dermal Rat : > 2000 mg/kg
LC50 Inhalation Rat : 3.6 mg/l/4h
Sodium percarbonate (15630-89-4)
LD50 Oral Rat: 1034 mg/kg
Potassium chloride (7447-40-7)
LD50 Oral Rat: 2600 mg/kg

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Section 12: Ecological Information (non-mandatory)

Toxicity
Ecology - General: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Disodium carbonate (497-19-8)
LC50 Fish 1: 300 mg/l (Exposure time: 96 h - **Species:** Lepomis macrochirus [static])
EC50 Daphnia 1: 265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2: 310 - 1220 mg/l (Exposure time: 96 h - **Species:** Pimephales promelas [static])

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)
EC50 Daphnia 1: 3.43 g/l (Ceriodaphnia dubia(Water flea))

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)
EC50 Other Aquatic Organisms 1:3.12 (2.43 - 4.01) mg/l (Species Ceriodaphnia, exposure time: 48 hr)

Sodium sulfate (7757-82-6)
LC50 Fish 1: 13500 (13500 - 14500) mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1: 2564 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2: > 6800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Tinopal CBS (27344-41-8)
LC50 Fish 1: 76 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1: 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 2: 10 (10.0 - 11.0) mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
NOEC (acute): 1.37 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

Sodium percarbonate (15630-89-4)
LC50 Fish 1: 70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1: 4.9 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

Potassium chloride (7447-40-7)
LC50 Fish 1: 1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1: 825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2: 750 - 1020 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Persistence and Degradability: Not established.

Bioaccumulative Potential: Not established.

Disodium carbonate (497-19-8)
BCF Fish 1: (no bioaccumulation)

Tinopal CBS (27344-41-8)
BCF Fish 1: < 1

Sodium percarbonate (15630-89-4)
BCF Fish 1: (no bioaccumulation)

Mobility in Soil: Not available
Other Adverse Effects
Other Information: Avoid release to the environment.

Section 13: Disposal Considerations (non-mandatory)

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

Section 14: Transport Information (non-mandatory)

In Accordance with DOT Not regulated for transport
In Accordance with IMDG Not regulated for transport
In Accordance with IATA Not regulated for transport
In Accordance with TDG Not regulated for transport

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Section 15: Regulatory Information (non-mandatory)

US Federal and International Regulations
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Disodium carbonate (497-19-8)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian IDL (Ingredient Disclosure List)
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Water (7732-18-5)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Alcohols, C12-16, ethoxylated (68551-12-2)
Listed on the EU NLP (No Longer Polymers) inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)
Listed on the EU NLP (No Longer Polymers) inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

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Section 15: Regulatory Information (non-mandatory)

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Sodium sulfate (7757-82-6)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations
Sodium sulfate (7757-82-6)
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations
Alpha General Poultice
WHMIS Classification
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Disodium carbonate (497-19-8)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %
WHMIS ClassificationClass D Division 2 Subdivision B - Toxic material causing other toxic effects

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification Uncontrolled product according to WHMIS classification criteria

Alcohols, C12-16, ethoxylated (68551-12-2)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS ClassificationClass D Division 2 Subdivision B - Toxic material causing other toxic effects
Class E - Corrosive Material

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.o mega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS ClassificationClass D Division 2 Subdivision B - Toxic material causing other toxic effects

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Section 15: Regulatory Information (non-mandatory)

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS ClassificationClass D Division 2 Subdivision B - Toxic material causing other toxic effects
Class E - Corrosive Material

Sodium sulfate (7757-82-6)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS ClassificationUncontr olled product according to WHMIS classification criteria

Tinopal CBS (27344-41-8)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 0.1 %
WHMIS ClassificationClass D Division 2 Subdivision B - Toxic material causing other toxic effects
Sodium percarbonate (15630-89-4)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification Class C - Oxidizing Material
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Potassium chloride (7447-40-7)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS ClassificationUncontrolled product according to WHMIS classification criteria

Acusol 425N Polymer
WHMIS ClassificationUncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Section 16: Other Information

Revision Date: 02/25/2016
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

GHS Full Text Phrases:
Acute Tox. 4 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4
Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2 Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2 Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1 Serious eye damage/eye irritation Category 1
Eye Irrit. 2A Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B Serious eye damage/eye irritation Category 2B
Ox. Sol. 2 Oxidizing solids Category 2
Resp. Sens. 1 Respiratory sensitisation Category 1

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Section 16: Other Information

Skin Irrit. 2 Skin corrosion/irritation Category 2
STOT SE 3 Specific target organ toxicity (single exposure) Category 3
H272 May intensify fire; oxidizer
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H320 Causes eye irritation
H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

SDS Creation Date: 01/31/2016 **Revision #2 Date:** 03/8/2016
Prepared By: Manufacturer's Technical Services Department

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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SAFETY
DATA SHEET

DOCUMENT NO.: 505 | REVISED DATE 03/01/2016

Alpha Professional Tools®

For chemical emergency spill, leak, fire, exposure or accident call (CHEMTREC) 800-424-9300. This MSDS complies with 29 CFR 1919.1200 (The Osha Hazard Communication Standard).

Section 1: Identification

Product / Chemical Name:
Rust and Iron Stain Remover

Product Identification No: Rust Remover
Chemical Family: Mixture
Trade Name and Synonyms: N/A
Molecular Formula: C2H4O2S.H3N
Chemical Name: N/A
Chemical Formula: N/A
Rational Formula: HS-CH2COONH4

Distributor Name:
Alpha Professional Tools®

Address:
103 Bauer Drive, Oakland, NJ 07436

Emergency Tel. No.:
CHEMTREC 800-424-9300

Section 2: Hazard(s) Identification

Emergency Overview
Severe eye irritation
Risk of serious damage to eyes
Product dust may be irritating to eyes, skin and respiratory system
Harmful if swallowed
Water reactive
Appearance White with Blue Particles
Physical State Solid, Powder
Odor Sulfur

Potential Health Effects
Principle Routes of Exposure Skin contact, Ingestion.
Acute Toxicity
Eyes Avoid contact with eyes. Risk of serious damage to eyes. May cause burns. Severely irritating to eyes.
Skin Avoid contact with skin. May cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Harmful if swallowed. Ingestion may cause irritation to mucous membranes.
Environmental Hazard See Section 12 for additional Ecological Information

Section 3: Composition/Information on Ingredients

Chemical Name	CAS#	Weight %
Sodium Bisulfate	7681-38-1	10-30
Sodium Hydrosulfite	7775-14-6	25-45
Sodium Chloride (NaCl)	7647-14-5	25-45
Sodium Carbonate	497-19-8	2-10
Citric Acid	77-92-9	0.5-4
Blue Crystals	NA	1-4

Section 4: First-Aid Measures

General Advice Call 800-648-7229
Emergency Medical Service Call 800-424-9300
Remove and isolate contaminated clothing and shoes.
Eye Contact In case of contact with eyes, remove contacts if needed, immediately flush eyes with running water for at least 20 minutes. Get medical attention immediately if irritation persists.
Skin Contact For minor skin contact, avoid spreading material on unaffected skin. Wash off immediately with plenty of water.

Inhalation Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Ingestion Do not induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Section 5: Fire-Fighting Measures

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Produces Sulfur Dioxide upon heating. Containers may rupture due to gas build-up when heated.
Flash Point Not determined.
Suitable Extinguishing Media Material will react with water to produce Sulfur Dioxide. Dry chemical, CO2, or sand. Water spray on surrounding fire only. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Uniform Fire Code
- Irritant: Solid
- COMBUSTIBLE DUST/POWDER

Hazardous Combustion Products Sulfur Dioxides

Explosion Data
Sensitivity to mechanical impact Not sensitive
Sensitivity to static discharge Not sensitive

Protective Equipment and Precautions for Firefighters In the event of a fire wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health Hazard 3 Flammability 1 Stability 1
Physical and Chemical Hazards W

Section 6: Accidental Release Measures

Methods for Containment Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

Other Information DO NOT GET WATER INSIDE CONTAINERS.

Section 7: Handling and Storage

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures Showers - Eyewash stations - Ventilation systems

Personal Protective Equipment
Eye/Face Protection Tightly fitting safety goggles. Face-shield. Skin and Body Protection Wear Chemical Resistant Gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.
Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

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Section 9: Physical and Chemical Properties

Appearance White
Odor Threshold No information available
pH No information available.
Flash Point No information available.
Decomposition Temperature No information available.
Melting Point/Range No information available.
Flammability Limits in Air No information available.
Water Solubility Appreciable (42g/100cc of water)
Evaporation Rate No information available.
Vapor Density No data available.

Odor Sulfur.
Physical State Solid Powder
Autoignition Temperature No information available.
Boiling Point/Range No information available.
Explosion Limits No information available.
Solubility No information available.
Vapor Pressure No data available.
VOC Content Not applicable.
Partition Coefficient (n-octanol/water) No data available.

Section 10: Stability and Reactivity

Stability Stable under recommended storage conditions
Incompatible Products Water, acids, alkalis, sodium nitrate, oxidizers, aluminum powder and sodium chlorite.
Conditions to Avoid Moisture, humidity, heat, flame, ignition sources and incompatibles.

Hazardous Decomposition Products Emits sulfur oxide gases under fire conditions and in contact with water.
Hazardous Reactions Reacts violently with water.
Hazardous Polymerization Hazardous polymerization will not occur.

Section 11: Toxicological Information

Signs and Symptoms of Overexposure Eye, Mouth, Nasal and Mucous Membrane irritation. Itching or burning of the skin.
Acute Effects
Eyes May cause severe conjunctiva irritation and corneal damage. May cause burns.
Skin May cause irritation and allergic skin reaction.
Inhalation May cause irritation of respiratory tract and mucous membranes.

Ingestion Harmful if swallowed. Ingestion may cause irritation to gastrointestinal tract.
Target Organ Effects None known.
Chronic Toxicity Avoid repeated exposure.
Carcinogenicity Contains no ingredient listed as a carcinogen.
Acute Toxicity Values Oral LD50 (Rat) = Not Determined Dermal LD50 (Rabbit) = Not Determined Inhalation LC50 (Rat) = Not Determined

Section 12: Ecological Information (non-mandatory)

Ecotoxicity
The environmental impact of this product has not been fully investigated

Section 13: Disposal Considerations (non-mandatory)

Waste Disposal Method This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging Dispose of in accordance with local regulations
California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Hydrosulfite	Ignitable
Sodium Carbonate	Corrosive

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Section 14: Transport Information (non-mandatory)

DOT

Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D

TDG

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Description CORROSIVE SOLID, N.O.S. (Sodium hydrosulfite, Sodium bisulfate), 8,UN1759, PG II

MEX

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Description UN1759 Corrosive solid, n.o.s. (Sodium hydrosulfite ,Sodium bisulfate),8,II

ICAO

UN-No UN1759
Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Packing Group II
Description Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8,UN1759,PG II

IATA

UN-No UN1759
Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Packing Group II
ERG Code 8L
Description UN1759, Corrosive solid, n.o.s. (Sodium hydrosulfite ,Sodium bisulfate),8,PG II

IMDG/IMO

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Subsidiary Class +
UN-No UN1759
Packing Group II
EmS No. F-A, S-B
Description UN1759, Corrosive solid, n.o.s. (Sodium hydrosulfite, Sodium bisulfate), 8(+), PG II

RID

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Classification Code C10
Description UN1759 Corrosive solid, n.o.s. (Sodium hydrosulfite ,Sodium bisulfate),8,II,RID
ADR/RID-Labels 8

ADR

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Classification Code C10
Description UN1759 Corrosive solid, n.o.s. (Sodium hydrosulfite ,Sodium bisulfate),8,II

ADN

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Packing Group II
Classification Code C10
Special Provisions 274
Description UN1759 Corrosive solid, n.o.s. (Sodium hydrosulfite ,Sodium bisulfate),8,II
Hazard Labels 8
Limited Quantity LQ23

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Section 15: Regulatory Information (non-mandatory)

International Inventories

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act,

Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name Sodium Bisulfate

Massachusetts n/a
New Jersey x
Pennsylvania n/a
Illinois n/a
Rhode Island n/a

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

E Corrosive material
F Dangerously reactive material
D2B Toxic materials

Section 16: Other Information

SDS Creation Date: 01/31/2016 **Revision #2 Date:** 02/25/2016
Prepared By: Manufacturer's Technical Services Department

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