

1. Product and Company Identification

Product Code:	S212	
Product Name:	Low Temp Dish Machine Compound	
Company Name:	SUNBELT LABORATORIES	Phone Number:
	P.O. BOX 1563	(281)261-4747
	STAFFORD, TX 77497	
Web site address:	www.sunbelt-labs.com	
Emergency Contact:	CHEM-TEL	(800)255-3924

2. Hazards Identification

Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word:	Danger
GHS Hazard Phrases:	Causes severe skin burns and eye damage. Causes serious eye damage.
GHS Precaution Phrases:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention/advice. Immediately call a POISON CENTER or doctor/physician. Specific treatment see ... on this label. Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases:	Store locked up. Dispose of contents/container to ...
OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):	Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause dermatitis. Chronic: Effects may be delayed.
Inhalation:	Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Aspiration may lead to pulmonary edema. May cause systemic effects. May be harmful if inhaled. Causes respiratory tract irritation.
Skin Contact:	Causes severe burns with delayed tissue destruction. Causes redness and pain. May be harmful if absorbed through the skin.
Eye Contact:	Causes severe eye burns. Contact may cause ulceration of the conjunctiva and cornea.



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Ingestion: Eye damage may be delayed. Causes redness and pain. When substance becomes wet or comes in contact with moisture of the mucous membranes, it will cause irritation. Harmful if swallowed. Causes gastrointestinal tract burns. May cause circulatory system failure. May cause perforation of the digestive tract. May cause systemic effects. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
1310-58-3	Potassium hydroxide	5.0 -15.0 %	
9003-04-7	Sodium polyacrylate	2.0 -7.0 %	
1344-09-8	Sodium silicate	1.0 -5.0 %	
7758-29-4	Sodium phosphate, Tribasic	1.0 -5.0 %	
7320-34-5	Potassium pyrophosphate	1.0 -5.0 %	
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	0.5 -2.0 %	

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Consult a physician.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes. If water-reactive products are embedded in the skin, no water should be applied.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes). Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure: Gastrointestinal disturbances. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Note to Physician: Treat symptomatically and supportively. Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.



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5. Fire Fighting Measures

Flash Pt:	NE
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use agent most appropriate to extinguish fire. Suitable:
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Water reactive. Material will react with water and may release a flammable and/or toxic gas. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. May ignite or explode on contact with steam or moist air. Wear self contained breathing apparatus for fire fighting if necessary. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Specific Hazard(s):
Flammable Properties and Hazards:	No data available.
Hazardous Combustion Products:	Hazardous decomposition products formed under fire conditions. Carbon oxides, Sodium oxides.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Methods for cleaning up. Do not let this chemical enter the environment. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Avoid raising dust.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.
Precautions To Be Taken in Storing:	Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from water. Corrosives area. Store protected from moisture. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Keep in a dry place. Store in a cool, dry place. Suitable:



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8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-58-3	Potassium hydroxide	No data.	CEIL: 2 mg/m3	No data.
9003-04-7	Sodium polyacrylate	No data.	No data.	No data.
1344-09-8	Sodium silicate	No data.	No data.	No data.
7758-29-4	Sodium phosphate, Tribasic	No data.	No data.	No data.
7320-34-5	Potassium pyrophosphate	No data.	No data.	No data.
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Impervious clothing.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Safety shower and eye bath. Use only in a chemical fume hood.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Discard contaminated clothing and shoes.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Red.
bland.

pH: 14

Melting Point: NE

Boiling Point: > 212.00 F (100.0 C)

Flash Pt: NE

Evaporation Rate: < 1 (BuAC=1)

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): < 1 MM_HG

Vapor Density (vs. Air = 1): < 1

Specific Gravity (Water = 1): 12.4 at 77.0 C (170.6 F)

Solubility in Water: Complete

Percent Volatile: > 50.0 % by volume.

Autoignition Pt: No data.



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10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: dust generation, Exposure to moist air or water, Avoid moisture. Incompatible materials, Excess heat.

Incompatibility - Materials To Avoid: Moisture, acids, chemically active metals, Strong oxidizing agents, Ammonia, magnesium, Sodium, calcium salts.

Hazardous Decomposition or Byproducts: Oxides of potassium, hydrogen gas. formed under fire conditions. Carbon oxides, Sodium oxides, silicon oxides, Carbon monoxide, oxides of phosphorus, Carbon dioxide, Phosphine, irritating and toxic fumes and gases, Nitrogen oxides.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity: Acute toxicity. No data available.

Irritation or Corrosion: No data available.

Sensitization: No data available.

Chronic Toxicological Effects: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Carcinogenicity/Other Information: CAS# 1310-58-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7758-29-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7320-34-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-58-3	Potassium hydroxide	n.a.	n.a.	n.a.	n.a.
9003-04-7	Sodium polyacrylate	n.a.	n.a.	n.a.	n.a.
1344-09-8	Sodium silicate	n.a.	n.a.	n.a.	n.a.
7758-29-4	Sodium phosphate, Tribasic	n.a.	n.a.	n.a.	n.a.

7320-34-5	Potassium pyrophosphate	n.a.	n.a.	n.a.	n.a.
18662-53-8	Nitritotriacetic acid, Trisodium salt monohydrate	Possible	2B	n.a.	n.a.

12. Ecological Information

General Ecological Information: Environmental: No information available.
Physical: No information available.
Other: Do not empty into drains.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed. Product:
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:
Dispose of as unused product. Observe all federal, state, and local environmental regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Potassium hydroxide, solution. mixture. Compounds, cleaning liquid.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: NA1760 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Potassium hydroxide, solution. Not Regulated. No information available.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Potassium hydroxide, solution. mixture.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-58-3	Potassium hydroxide	No	Yes 1000 LB	No
9003-04-7	Sodium polyacrylate	No	No	No
1344-09-8	Sodium silicate	No	No	No
7758-29-4	Sodium phosphate, Tribasic	No	Yes 5000 LB	No



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7320-34-5	Potassium pyrophosphate	No	No	No
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	No	No	No

This material meets the EPA Yes No **Acute (immediate) Health Hazard**
'Hazard Categories' defined Yes No **Chronic (delayed) Health Hazard**
for SARA Title III Sections Yes No **Fire Hazard**
311/312 as indicated: Yes No **Sudden Release of Pressure Hazard**
 Yes No **Reactive Hazard**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-58-3	Potassium hydroxide	TSCA: Inventory
9003-04-7	Sodium polyacrylate	TSCA: Inventory
1344-09-8	Sodium silicate	TSCA: Inventory
7758-29-4	Sodium phosphate, Tribasic	TSCA: Inventory
7320-34-5	Potassium pyrophosphate	TSCA: Inventory
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	

16. Other Information

Revision Date: 06/15/2015

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.