

ALDEN LEEDS, INC.
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DATA
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PRODUCT CODE # 1700-1725
PRODUCT NAME: pH INCREASER

MATERIAL SAFETY
SHEET
4/4/13

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Sodium Carbonate (Soda Ash)
CHEMICAL FORMULA: Na₂CO₃
TRADE NAME: NuClo pH Increaser, Private Label
DESCRIPTION: Fine, white granules with no odor.
CAS NO: 497-19-8

SECTION II – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White odorless, granular
Exposure may cause irritation to eyes, skin, and respiratory tract
Product is non-combustible
Reacts with acids to form carbon dioxide gas and heat
HMIS Rating; Health 2 Fire 0 Reactivity 0

Potential Health Effects:

EYE: May cause severe irritation, redness or swelling
SKIN CONTACT: May cause itching, redness or swelling
INGESTION: May cause gastrointestinal irritation, nausea, vomiting, or diarrhea
INHALATION: May cause upper respiratory tract, lung and irritation to mucus membranes

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL	CAS NO.	% BY WEIGHT
Sodium Carbonate	497-19-8	99.8

Not hazardous under OSHA Standard 29 CFR 1910.1200 Not a WHMIS controlled substance.

SECTION IV – FIRST AID MEASURES

EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention.
SKIN: Immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.
INHALATION: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR. Seek immediate medical attention.
INGESTION: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended.

***SECTION V – FIRE FIGHTING MEASURES**

FLASHPOINT: Not applicable
METHOD USED: Not applicable
EXTINGUISHING MEDIA: Non-combustible material. Use extinguishing media appropriate for surrounding fire.
FIRE FIGHTING INSTRUCTIONS: Firefighters should wear full protective clothing and self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.
HAZARDOUS DECOMPOSITION MATERIALS: Carbon Dioxide

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SECTION VI – ACCIDENTAL RELEASE MEASURES

EVACUATION PROCEDURES AND SAFETY: Ventilate closed spaces before entering. Wear appropriate protective gear for situation. See Personal Protection information in Section 8.

CONTAINMENT OF SPILL: Follow procedure described below under Cleanup and Disposal of Spill.

CLEANUP AND DISPOSAL OF SPILL: Scrape up and place in appropriate closed container (See Section 7 Handling and Storage). Collect washing for disposal. Decontaminate tools and equipment following clean up. Clean up residual material by washing area with water. Avoid creation of dusty conditions.

ENVIRONMENTAL AND REGULATORY REPORTING: Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Prevent material from entering public sewer system or any waterways. Large spills should be handled according to a predetermined plan.

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SECTION VII – HANDLING AND STORAGE

MINIMUM MAXIMUM STORAGE TEMPERATURES: N/A

HANDLING: Do not get in eyes. Do not breathe dusts. Avoid direct or prolonged contact with skin.

STORAGE: Store in an area that is cool, dry and well ventilated.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

INTRODUCTORY REMARKS: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13 Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

EXPOSURE GUIDELINES: Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements.

PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION: OSHA (TWA) 5 mg/cu m3

ENGINEERING CONTROLS: Where engineering control are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

RESPIRATORY PROTECTION: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134)

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granular

ODOR: None

PHYSICAL STATE: Solid

pH (1% solution): 11.3

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: N/A

MELTING POINT: 851 C (1,564F)

BULK DENSITY: 2.53 g/ml at 20C

% VOC'S: N/A

MOLECULAR WEIGHT: 105.99

SECTION X – STABILITY AND REACTIVITY

CHEMICAL STABILITY: This material is stable under normal handling and storage conditions described in Section 7

CONDITIONS TO AVOID: extreme heat: hygroscopic. Protect from moisture. Mixing of acid and sodium carbonate solutions could cause CO2 evolution. Decomposition temperature 400 degrees C (752 F).

INCOMPATIBILITY WITH OTHER MATERIALS: Aluminum, Fluorine, Humid air, Moisture, Sulfuric Acid, Acids, Magnesium, Phosphorus Pentoxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition Type: Thermal- Carbon Dioxide

HAZARDOUS POLYMERIZATION: N/A

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SECTION XI – TOXICOLOGICAL INFORMATION

EYE EFFECTS: Eye Irritation, 25 mg/Kg, rabbit. Severely irritating: Muscle contraction or spasticity.

SKIN EFFECTS: 500mg/24hour Skin Irritation, rabbit. Mildly Irritating.

ACUTE ORAL EFFECTS: LD50-Lethal Dose. 50% of test species, 4,090 mg/kg rat

ACUTE INHALATION: LD50 2,300 mg/cu m/2 hr. rat

ACUTE DERMAL: LD50 Rabbit:>2,000mg/kg

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data found for this product

CHEMICAL FATE INFORMATION: No data found for this product

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SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

CONTAINER HANDLING AND DISPOSAL: Rinse containers before disposal

EPA HAZARDOUS WASTE: No

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SECTION XIV – TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not Regulated

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SECTION XV - REGULATORY INFORMATION

SARA TITLE III: Section 302, Extremely Hazardous Substances: None;

Section 311/312, Hazardous Categories: Non-Hazardous;

Section 313, Toxic Chemicals: None

Sodium Carbonate is reported in the EPA TSCA Inventory List

The information herein is given in good faith but no warranty, expressed or implied, is made.

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