AGRI-EMPRESA, LLC
Manufacturer•Packager•Distributer

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SODA ASH

SAFETY DATA SHEETS

REV. DATE: 09/15 REV 2

1. PRODUCT AND COMPANY IDENTIFICATION

Company Identification:
Agri Empresa LLC
6001 W. Industrial Ave
Midland, TX 79706
432-694-1994

24 Hour Emergency Telephone: Call Chemtrec 1-703-527-3887

Chemical Name: Sodium Carbonate, Anhydrous.

Synonyms: Disodium carbonate, carbonic acid, disodium slat.

Chemical Formula: Na2CO3

Grade Names: Technical grade soda ash, High Purity grade soda ash.

General Use: Glass manufacturing, chemical manufacturing, pulp and paper, water treatment and pH control, soap and detergent manufacturing, coal treatment, emission control, iron exchange resin regeneration.

2. HAZARD IDENTIFICATION

Precautionary Statements: If in contact with skin wash with plenty of soap and water and contact a physician if irritation persists. If in contact with eyes flush with water for 15 minutes. Contact a physician immediately. If inhaled remove to fresh air and contact a physician if trouble breathing. If swallowed drink 1-2 glasses of water or milk and contact a physician.

SIGNAL WORD	HAZARD	HAZARD CODE	CATEGORY	HEALTH HAZARD STATEMENT
WARNING	Eye	H318	2B	Causes eye irritation
	Skin	H316	2	Causes skin irritation
	Inhalation	H335	3	May cause respiratory irritation
	Ingestion	H303	4	May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	ENIECS Number	Concentration
Sodium Carbonate	497.19-8	207-838-8	99.8% by wt.

4. FIRST AID MEASURES

First Aid-Eyes: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention.

First Aid-Skin: In case of contact, 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 shoes before re-use.

First Aid-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.

First Aid-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 (cardio-pulmonary resuscitation). Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Fire Extinguishing Media:	Not combustible. Use extinguishing method suitable for surrounding fire.
Special Fire Fighting Procedures:	Firefighters should wear full protective clothing and self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	Not combustible.
Hazardous Decomposition Materials:	Carbon Dioxide.

6. 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). Collect washing for disposal. Decontaminate tools and equipment following cleanup. 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 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. For assistance in developing a plan contact with the Technical Service Department using the Product Information Phone number in Section 1.

7. HANDLING AND STORAGE

Storage Temperatures: Not Available.

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.

8. 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. The following limits (AGCIH, OSHA, and other) apply to this material, where, if indicated, S=skin and C=ceiling limit.

Particulates Not Otherwise Regulated Respirable Fraction

	Notes	TWA	STEL
OSHA		5 mg/ cu m3	NA

Engineering Controls:

Where engineering controls 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) and/or ANSI Z88.2 recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by OSHA/ANSI: Air-purifying (half-mask/ full-face) respirator with cartridges/canister approved for use against dusts, mists and fumes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	White.
Odor:	Odorless.
pH:	11.3
Specific Gravity:	2.53 g/ml at 20.0 degrees Celsius (68 degrees Fahrenheit)
Relative Density:	4.1 to 4.5 (Water=1)
Melting Point(F):	851 Degrees
Melting Point(C):	1564 Degrees
Solubility in Water (g/100ml):	Insoluble in water.
Solubility in Solvents:	Not Determined
Molecular Weight(g/mole);	105.99

10. STABILITY AND REACTIVITY

Stability Data:	This material is stable under normal handling and storage conditions described in Section 7.
Conditions To Be Avoided:	Extreme Heat; Hygroscopic; protect from moisture. Mixing of acid and sodium carbonated solutions could cause CO2 evolution.
Incompatibles:	Aluminum, Fluorine, Humid Air, Moisture, Sulfuric Acid, Acids, Magnesium, and Phosphorus Pentoxide.
Decomposition Temperature:	400 Degrees Celsius (752 Degrees Fahreheit)

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:

Toxicological Information and Interpretation:

Eye – Eye Irritation, 25 mg/Kg, Rabbit. Severely Irritating; Muscle contraction or spasticity.

Acute Skin Irritation:

Toxicological Information and Interpretation:

Skin – 500 mg/24 hour Skin Irritation, Rabbit. Mildly irritating.

Acute Dermal Toxicity:

LD50 Rabbit: >2000 mg/kg

Acute Inhalation Toxicity:

Toxicological Information and Interpretation:

LC50-Lethal Concentration. 50% Of Test Species, 2300 mg/cu m/2hr, rat.

Acute Oral Toxicity:

Toxicological Information and Interpretation:

LD50-Lethal Does 50% of Test Species, 4090 mg/kg, rat.

Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

12. ECOLOGICAL INFORMATION

Eco toxicological Information: No data found for product.

Chemical Fate Information: No data found for product.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS 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 Disposal: Rinse containers before disposal.

EPA Hazardous Waste: NO

14. TRANSPORT INFORMATION

Transportation Status: U.S. Department of Transportation.

DOT Shipping Name: Not Regulated.

15. REGULATORY INFORMATION

Federal Regulations:

TSCA Inventory Status: All ingredients of this product are listed on the TSCA Inventory.

SARA Title III Hazard Class:

Fire Hazard:	NO
Reactive Hazard:	NO
Release of Pressure:	NO
Acute Health Hazard:	YES
Chronic Health Hazard:	NO

State Regulations:

This product does not contain any components that are regulated under California Proposition 65.

16. OTHER INFORMATION

National Fire Protections Association Hazard Ratings – NFPA(R):

2 Health Hazard Rating --- Moderate
0 Flammability Rating --- Minimal
0 Reactivity Rating --- Minimal

National Paint and Coating Hazardous Material Information System – HMIS(R):

2 Health Hazard Rating --- Moderate
0 Flammability Rating --- Minimal
0 Reactivity Rating --- Minimal

Certified to ANSI/NSF 60 – Soda Ash Dense Bulk: This product is certified ANSI/NSF 60 when used in treatment of drinking water at maximum dosage of 100 mg/L

Canadian WHMIS Regulations

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS: H=2 F=0 R=0

Key Legend Information:

NA:	Not Applicable
ND:	Not Determined
ACGIH:	American Conference of Governmental Industrial Hygienists.
OSHA:	Occupational Safety and Health Administration.
TLV:	Threshold Limit Value.
PEL:	Permissible Exposure Limit.
TWA:	Time Weighted Average.
STEL:	Short Term Exposure Limit
NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer
WHMIS:	Workplace Hazardous Materials Information System.

DISCLAIMER STATEMENT:

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if the material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

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