

BHS Marketing

Western Briquette

MATERIAL SAFETY DATA SHEET

Soda Ash

Date: March 30, 2001

I Company Identification

Company Name: BHS Marketing / Western Briquette
Mailing Address: P.O. Box 27955 SLC, UT 84127-0955
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Emergency Number: Chemtrec (800) 424-9300

II Product Identification

Product Name: Sodium Carbonate, anhydrous
Synonyms: Soda Ash
Product Class: 55
Description: Meets federal specification O-S-571 G. Type II. Meets AWWA Std.
Molecular Weight: 105.99
Cas Number: 497-19-8

III Typical Physical Properties

Physical Appearance: Soda ash is a white granular material, free of contamination
Odor: Odorless
pH: 11.3 @ 1 wt/wt%
Boiling Point: Decomposes @ 1800°F
Melting Point: 851°C (1564°F)
Solubility in Water: Soluble 7 wt/wt% @ (77°F)
Specific Gravity: 2.53 @ (68°F)

IV Reactivity Data

Chemical Stability: This material is stable under normal handling and storage conditions
Conditions to Avoid: Extreme heat
Materials to Avoid: Aluminum, fluorine, humid air, moisture, sulfuric acid, acids, magnesium, and phosphorous pentoxide
Hazardous Polymerization: Will not occur
Temperature Range: 400°C (752°F)

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V Toxicological Information

Acute	
Eye Contact:	Eye-eye irritation, 50 mg rabbit. Severely irritating
Skin Contact:	Skin-skin irritation, rabbit. Mildly irritating
Ingestion:	
Inhalation:	LC ₅₀ -lethal concentration. 50% of test species, 2300 mg/cu m/2hrs, rat
Oral:	LD ₅₀ -lethal dose. 50% of test species, 4090 mg/kg, rat
Chronic:	This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens

VI Hazard Data

Eye Contact:	Causes irritation
Skin Contact:	May cause redness, swelling
Ingestion:	Low acute oral toxicity. May cause nausea, vomiting, diarrhea, irritation, corrosion
Inhalation:	May cause upper respiratory tract irritation, lung irritation
Chronic Effects:	This product does not contain any ingredient designated by IARC, NTP, ACGIH, OSHA as probable or suspected human carcinogens

VII Recommended First Aid Measures

Eye Exposure:	Hold eyelids and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention
Skin Exposure:	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 and shoes before reuse
Inhalation Exposure:	Remove and assure that the victim is breathing. If breathing is difficult, administer oxygen. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek immediate medical attention
Ingestion Exposure:	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. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical

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VII Recommended First Aid Measures –Continued

Medical Conditions

Possibly Aggravated by

Exposure:

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease

Notes to Physician:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred

VIII Fire Fighting Measures

Extinguishing Media:

Not combustible. Use extinguishing methods suitable for surrounding fire

Special Firefighting
Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later

Unusual Fire and
Explosion Hazards:

Not combustible

IX Accidental Release Measures

Evacuation Procedure &
Safety:

Ventilate closed spaces before entering. Wear appropriate protective gear for situation. See personal protection

Containment of Spill:

Follow procedure described below under Clean-up and disposal of spill

Clean-up &
Disposal of Spills:

Do not flush to drain. If spilled on the ground, the affected area should be scrapped 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. For assistance in developing a plan contact the Technical Service Department using the Product Information phone number

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X Handling & Storage

Handling: Do not get into eyes. Do not breathe dust. Avoid direct or prolonged contact with skin

Storage: Store in area that is cool, dry and well ventilated

XI Exposure Controls/ Personal Protection

Appropriate Hygienic Practices: As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.

Personal Protection Equipment

Eye Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given both to durability as well as permeation resistance

XII Additional Information

The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

*n/a= Not Applicable