



Material Safety Data Sheet

SODA ASH BRIQUETTES

1095-SAB

Section 01 · Product and Company Identification

SAL Chemical Company
3036 Birch Drive
Weirton, WV 26062

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Revision Date: 01.20.2012

For More Information Call:

304-748-8200
800-879-1725

Emergency Phone Number:

ChemTrec: 800-424-9300
24 Hours/Day—7 Days/Week

TRADE NAME: Soda Ash Briquettes
CAS NUMBER: 497-19-8

Section 02 · Ingredients and Exposure Limits

CHEMICAL NAME	PERCENT	CAS #	TLV	PEL
Sodium Carbonate	100%	497-19-8	None Listed	None Listed*
*Control as nuisance particulate: PEL 15 mg/m ³ -total dust; 5 mg/m ³ -respirable dust				

Section 03 · Physical Data

APPEARANCE AND ODOR:	White, Odorless Solid	SPECIFIC GRAVITY:	2.53 @ 77°F
pH :	Aqueous Solution is 11.6	MELTING POINT:	1567°F
BOILING POINT:	Decomposes at 752°F	EVAPORATION RATE:	N/A
VAPOR DENSITY:	N/A		
SOLUBILITY IN WATER:	Soluble in 3.5 parts water at room temperature.		

Section 04 · Fire and Explosion Data

FLASH POINT:	Noncombustible
EXTINGUISHING MEDIA:	Use extinguishing media suitable for surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES:	Since fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus
UNUSUAL FIRE/EXPLOSION HAZARDS:	None
NFPA RATINGS:	Health: 2 - Flammability: 0 - Reactivity: 1 - Special Hazard - -

Section 05 · Reactivity Data

CHEMICAL STABILITY:	Stable at room temperature in closed containers. Readily absorbs moisture from the air to form sodium bicarbonate and various hydrates.
HAZARDOUS POLYMERIZATION:	Cannot Occur
HAZARDOUS DECOMPOSITION:	Carbon dioxide (CO ₂) and toxic sodium oxide (Na ₂ O) fumes. Wear SCBA when fighting fires in confined space.
CONDITIONS TO AVOID:	Avoid excessive dust generation, contact with heat, moisture and chemicals listed below.
INCOMPATIBILITY:	Ammonia+silver nitrate, 2,4-dinitrotoluene, 2,4,6-trinitrotoluene, sulfuric acid, sodium sulfide+water, lithium, phosphorus pentoxide, fluorine and hydrogen peroxide. Hot concentrated solutions of sodium carbonate are mildly corrosive to steel.

Section 06 · Health Data

PRIMARY ROUTES OF ENTRY:	Inhalation, ingestion, skin or eye contact
TARGET ORGANS:	Eyes, skin, respiratory and digestive systems.
INHALATION:	Acute inhalation can produce eyes, nose and throat irritation, sneezing difficulty in breathing, coughing and possible chemical bronchitis.
INGESTION:	Ingestion may cause irritation of the mouth, chest and stomach, painful swallowing and stomach cramps.
SKIN (DERMAL):	Moist skin contact has produced an itching, burning and tingling sensation, redness and swelling,
EYES:	Sodium carbonate introduced into the eyes may cause mechanical and chemical irritation, pain, watering of eyes, corneal burns, conjunctivitis and risk of serious injury if eyes are kept tightly closed. Other symptoms may appear from absorption of sodium carbonate into the bloodstream via the eyes.
CHRONIC EFFECTS:	None reported.

Section 07 · First Aid

BREATHING (INHALATION):	Remove victim to fresh air and support breathing as needed.
SWALLOWING (INGESTION):	If conscious give one to two glasses of water to dilute poison. DO NOT induce vomiting and consult a physician immediately.
EYES:	Gently lift eyelids and flush with large amounts of water and take to a medical facility. Do not allow patient to rub or keep eyes tightly shut.
SKIN (DERMAL):	Quickly remove contaminated clothing and rinse with water at least 15 minutes. For red or blistered skin consult a physician.
CARCINOGENICITY:	NTP: Not listed - IARC: Not listed - OSHA: Not listed
HMS RATINGS:	Health: 2 - Flammability: 0 - Reactivity: 1

Section 08 · Employee Protection

RESPIRATORY PROTECTION:	Produces dust—use mechanical ventilation if making dust
PROTECTIVE CLOTHING:	Wear impervious gloves to prevent skin contact. Wear long sleeves and trousers to minimize skin contact
EYE PROTECTION:	Chemical Safety goggles or glasses. DO NOT wear contact lenses when handling this material

Section 09 · Spill and Disposal Data

SPILL :	Shovel up dry material into an empty container with a cover. Reuse if possible. Flush residue with plenty of water to neutralize remaining material.
WASTE DISPOSAL:	If permitted by Federal, State and local regulations, bury in a solid waste landfill or dissolve and neutralize as follows: Dissolve in water using caution as solution can get hot. Neutralize with acid and flush to sewer with plenty of water. Good ventilation is required during neutralization.

As the result of our inspection(s), this certifies that the material identified above, blended by SAL Chemical Company, Inc., meets or exceeds all conformance standards listed above, and fully complies with the customer's order. In no way is this certificate intended to alter SAL Chemical's General Terms & Conditions of the parties' contract.

Section 10 · Handling and Storage

STORAGE: Store in a cool, dry, well ventilated area away from heat and strong acids. Avoid physical damage to containers and keep containers tightly closed to prevent moisture.

PROPER SHIPPING NAME: SODA ASH BRIQUETTES

HAZARD CLASS AND LABEL: DOT Non-Haz

Section 11 · Other Regulatory Information

SARA SECTION 302 & 313: Not Listed

Section 12 · Additional Information

DISCLAIMER: The information contained within this Material Safety Data Sheet is for the specific material described only and may not be valid if the material is used in combination with any other materials or process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. To the knowledge and belief of Sal Chemical, the information is accurate and reliable as of the date indicated but Sal Chemical makes no express implied warranty of merchantability for the material or for the information.