

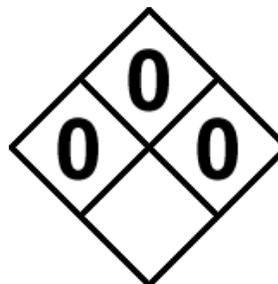


HASA SODA ASH

Material Safety Data Sheet

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HASA SODA ASH
Material Safety Data Sheet MSDS No.208

IDENTIFICATION OF PRODUCT

Product Name:	HASA SODA ASH
Common Chemical Names:	Soda Ash, Sodium Carbonate
Chemical Names of Ingredients: [>1.0% by weight]	Sodium Carbonate
Chemical Family:	Alkali
CAS Registry Number:	497-19-6
Empirical Formula:	Na ₂ CO ₃

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not Applicable.	Flash Point:	Not Applicable.
Weight/Gallon:	Not Applicable.	pH:	Not Applicable.
Density [liquid]:	Not Applicable.	Odor:	None.
Bulk Density:	60 lbs/cubic foot	Boiling Point:	854°C
Melting Point:	Not Applicable.	Freezing Point:	Not Applicable.
Physical State:	Granules.	Color:	White
Solubility in Water:	17 g/100 g H ₂ O at 25°C	Stability:	Stable

PHYSICAL HAZARDS

Potential for Fire:	Nonflammable.
Potential for Explosion:	None
Reactivity:	Will react with acids to form carbon dioxide [CO ₂]
Extinguishing Media:	Non-flammable.

HEALTH HAZARDS	
Signs and Symptoms of Exposure:	Eye and skin irritation.
Medical Conditions Aggravated by Exposure:	No data available.
Oral [ingestion] LD₅₀:	No data available.
Dermal [skin absorption] LD₅₀:	28,000 mg/kg
Inhalation [breathing] LC₅₀:	Dust may irritate nose and respiratory system.
Eye Irritation:	May irritate and/or burn eyes on contact.
Skin Irritation:	Mild irritation. Not considered to be a skin sensitizer.
OSHA PEL:	None Established.
ACGIH TLV/TWA:	None Established.

POTENTIAL ROUTE [S] OF ENTRY	
Inhalation [Breathing]:	Dust from product.
Dermal [Skin]:	Dust from product.
Eyes:	Dust from product.
Ingestion:	Not anticipated.

CARCINOGENIC [CANCER POTENTIAL] INFORMATION	
National Toxicological Program [NTP] <i>Sixth Annual Report on Carcinogens</i>:	Not listed.
International Agency for Research on Cancer [IARC] <i>Monographs, V. 1-53, Supps. 1-8</i>:	Not listed.
Listed by Federal OSHA as Carcinogens:	Not listed.
Safe Drinking Water and Toxic Enforcement Act of 1986 [Proposition 65, California only]:	Not listed.

GENERAL PRECAUTIONS FOR SAFE USE AND HANDLING
Store in cool, dry place. Do not mix with acids. Add this product only to swimming pool, spa, hot tub, or therapeutic waters in accordance with label directions.

PERSONAL PROTECTION AND HYGIENE
Wash hands after handling.

CLEAN-UP OF SPILLS
Sweep up spilled material and place in trash for collection.

FIRST AID	
Eye Contact:	Flush with water. Remove contact lenses [if applicable]. Hold eyelids open. Continue flushing with water for 15 minutes. Get prompt medical attention.
Skin Contact:	Brush off any residue. Wash affected area with water for 15 minutes. If irritation persists, get medical attention.
Ingestion [swallowing]:	Drink large quantities of water. DO NOT induce vomiting.
Inhalation:	Get medical attention for irritation, ingestion, or discomfort from inhalation.

FEDERAL/STATE LISTS/REGISTRATION/S/REPORTING REQUIREMENTS	
CERCLA Hazardous Substance [Section 1010 [4], P.L. 96-510]:	Not listed.
Extremely Hazardous Substance [40 CFR 355, Appendix A]:	Not listed.
Pesticide Product 7 U.S.C. 136 et seq.:	Not registered.
Toxic Substance under TSCA:	Not reported.
Pesticide Product [various State Laws]:	Registered as economic poison.

MATERIAL CLASSIFICATION	
OSHA Hazard Communication Standard, Department of Labor, Occupational Safety and Health Division, 29 CFR 1910.1200:	Irritant.
Hazardous Materials Transportation Regulations, Department of Transportation (Federal) 49 CFR 172.101:	Not regulated.
National Fire Protection Association NFPA 704 [1990]:	0-0-0
NFPA 49:	Irritant.
BOCA National Fire Prevention Code/National Building Code [1999 editions]:	Irritant.
Standard Fire Prevention Code/Standard Building Code [1997 editions]:	Irritant.
Uniform Fire Code/Uniform Building Code [1997 editions]:	Irritant.
Uniform Fire Code Standards 79-3, Uniform Fire Code, V. II [1997 edition]:	0-0-0

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