



## MATERIAL SAFETY DATA SHEET

### Section 1 – Chemical Product and Company Identification:

Product Name	SODIUM AMIDE
Synonyms	Sodamide
Company Identification	NATRIZEN CHEMICALS PVT. LTD. SURVEY. NO. 54A, MALYALA (V), BOMMALA RAMARAM (M),NALGONDA (DT) – 508126, A.P., INDIA
For information, call	+91 9948047535
Emergency Number	+91 9849645406
For CHEMTREC assistance, call	+91 40-29809095
For International CHEMTREC assistance, call	+91 9849645406

### Section 2 – Composition, Information on Ingredients:

CAS NO	Chemical Name	Percent	EINECS / ELINCS NO
7782-92-5	Sodium Amide	> 98 %	231-971-0

### Section 3 – Emergency Overview:

Appearance	White crystalline powder.
Caution	Causes eye and skin burns. Causes digestive and respiratory tract burns. Reacts violently with water. May form explosive peroxides.
Target Organs	Eyes, skin, mucous membranes

### Potential Health Effects:

Eye	Causes eye burns, may cause eye injury
Skin	Causes skin burns
Ingestion	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Causes gastrointestinal tract burns
Inhalation	May cause irritation of the respiratory tract with burning pain in the nose and throat,

95 Maitri Enclave, JJ Nagar Post, Yapral,Secundrabad ,Andhra Pradesh-500087,India.

+91 40-29809095 [info@natrizen.com](mailto:info@natrizen.com) +91 9849645406 +91 9948047535 <http://www.natrizen.com>



	coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema
Chronic	No Information found






#### Section 4 – First Aid Measures:

Eyes	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately
Skin	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately.
Ingestion	Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid immediately.
Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.

#### Section 5 – Fire Fighting Measures:

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Sodium Amide reacts violently with water forms NaOH and NH <sub>3</sub>
Extinguishing Media	Use dry sand or earth to smother fire. Do NOT use carbon dioxide. DO NOT USE WATER OR FOAM
Flash Point	Not available
Auto-ignition Temperature	450 deg C (842.00 deg F)
Explosion Limits, Lower	Not available
Explosion Limits, Upper	Not available
NFPA Rating (estimated)	Health: 3; Flammability: Instability; Special Hazard: -W-

95 Maitri Enclave, JJ Nagar Post, Yapral, Secundrabad, Andhra Pradesh-500087, India.

 +91 40-29809095 
  [info@natrizen.com](mailto:info@natrizen.com)
 +91 9849645406 
  +91 9948047535 
  <http://www.natrizen.com>



### Section 6 – Accidental Release Measures:

General Information	Use proper personal protective equipment as indicated in Section 8
Spills / Leaks	Vacuum or sweep up material and place into a suitable disposal container
Provide ventilation	Do not get water inside container

### Section 7 – Handling and Storage:

Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood
Storage	Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket. Water free area. Containers should be dated when opened and tested periodically for the presence of peroxides. All peroxidizable substances should be stored away from heat and light and be protected from ignition sources

### Section 8 – Exposure Controls, Personal Protection:

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low
----------------------	---

### Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
Sodium Amide	None listed	None Listed	None Listed

OSHA Vacated PELs	Sodium Amide: No OSHA Vacated PELs are listed for this chemical
-------------------	---

## Personal Protective Equipment

Eyes	Wear Chemical splash goggles
Skin	Wear appropriate protective hand gloves and clothing to prevent skin exposure
Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH / MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

95 Maitri Enclave, JJ Nagar Post, Yapral, Secundrabad, Andhra Pradesh-500087, India.



## Section 9 – Physical and Chemical Properties:

Physical State	Crystalline powder
Appearance	grey / white
Odor	Ammonia-like
PH	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Evaporation Rate	Not available
Viscosity	Not available
Boiling Point	400 deg C
Freezing / Melting Point	210 deg C
Decomposition Temperature	500 deg. C
Specific Gravity / Density	Not available
Molecular Formula	H <sub>2</sub> NNa
Molecular Weight	39.01

## Section 10 – Stability and Reactivity:

Chemical Stability	When exposed to the atmosphere, Sodium Amide rapidly absorbs H <sub>2</sub> O and CO <sub>2</sub> . When only limited absorption takes place, as in poorly sealed containers, peroxides are formed which render the resulting mixture highly explosive. The formation of peroxides is accompanied by the development of a yellow / brownish color. If discoloration is noticed, the substance should be destroyed at once by covering with much benzene, toluene, or kerosene and slowly adding diluted ethanol with stirring
Conditions to Avoid	Ignition sources, dust generation, exposure to air, excess heat, exposure to moist air or water
Incompatibilities with other Materials	Potassium chlorate and chromic anhydride. Sodium Amide reacts violently with water forms NaOH and NH <sub>3</sub> . The reaction with alcohol is considerably slower
Hazardous Decomposition Products	Nitrogen Oxides, ammonia, sodium hydroxide
Hazardous Polymerization	Has not been reported

95 Maitri Enclave, JJ Nagar Post, Yapral, Secundrabad, Andhra Pradesh-500087, India.



### Section 11 – Toxicological Information:

RTECS#	CAS# 7782-92-5 unlisted
LD50/LC50	Not available
Carcinogenicity	CAS# 7782-92-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65
Epidemiology	No data available
Teratogenicity	No data available
Reproductive Effects	No data available
Mutagenicity	No data available
Neurotoxicity	No data available
Other Studies	

### Section 12 – Ecological Information:

No information available.

### Section 13 – Disposal Considerations:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. ECRA U-Series: None listed.

### Section 14 – Transport Information:

	Shipping Name	Hazard Class	UN Number	Packaging Group
US DOT	Water Reactive Solid, Corrosive N.O.S	4.3	UN3131	II
Table Cell	Water Reactive Solid, Corrosive N.O.S. (SODIUM AMIDE)	4.3	UN3131	II

### Section 15 – Regulatory Information:

TSCA	CAS# 7782-92-5 is listed on the TSCA inventory
Health & Safety Reporting List	None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules	None of the chemicals in this product are under a Chemical Test Rule.

95 Maitri Enclave, JJ Nagar Post, Yapral, Secundrabad, Andhra Pradesh-500087, India.

+91 40-29809095 
 [info@natrizen.com](mailto:info@natrizen.com)
 +91 9849645406 
 +91 9948047535 
 <http://www.natrizen.com>








Section 12b	None of the chemicals are listed under TSCA Section 12b
TSCA Significant New Use Rule	None of the chemicals in this material have a SNUR under TSCA
SARA	Section 302 (RQ), none of the chemicals in this material have an RQ
Section 302 (TPQ)	None of the chemicals in this product have a TPQ.
Section 313	No chemicals are reportable under Section 313
Clean Air Act	This material does not contain any hazardous air pollutants or Class I Ozone depleters or Class 2 Ozone depleters.
Clean Air Act	None of the chemicals in this product are listed as Hazardous Substances, priority pollutants or toxic pollutants under the CWA
OSHA	None of the chemicals in this product are considered highly hazardous by OSHA

#### Section 16 – Other Information:

MSDS Creation Date	23/06/2007
Revision # 3 Date	02/07/2013

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Natrizen Chemicals pvt ltd or its partners be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages. For questions please contact [www.natrizen.com](http://www.natrizen.com).

95 Maitri Enclave, JJ Nagar Post, Yapral, Secunderabad, Andhra Pradesh-500087, India.

 +91 40-29809095 
  [info@natrizen.com](mailto:info@natrizen.com)
 +91 9849645406 
  +91 9948047535 
  <http://www.natrizen.com>