

Material Safety Data Sheet

SODA ASH DENSE

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Identification

Product name	SODA ASH DENSE
Product grade(s)	Chemical Grade Soda Ash
Chemical Name	Sodium carbonate
Synonyms	soda salt, disodium carbonate
Molecular formula	Na ₂ CO ₃

1.3. Company/Undertaking Identification

Manufacturer	CREDIT CHEMICAL CO., LIMITED
Address	ROOM 1209, ZHE TRADESPEOPLE INVESTMENT MANSION, YINGBIN AVENUE, BINHAI NEW AREA XIANGLUOWAN, TIANJIN, CHINA

2. HAZARDS IDENTIFICATION

2.1. Emergency Overview:

General Information

Appearance	granules, powder
Color	white
Odor	odorless

2.2. Potential Health Effects:

Inhalation

- May cause nose, throat, and lung irritation.
- Repeated or prolonged exposure: Risk of sore throat, nose bleeds.
- (in case of higher concentration): Cough.

Eye contact*

- Severe eye irritation
- Symptoms: Redness, Lachrymation, Swelling of tissue.

Skin contact

- Prolonged skin contact may cause skin irritation.

Ingestion

- Severe irritation
- Symptoms: Nausea, Abdominal pain, Vomiting, Diarrhea.

Other toxicity effects

- See section 11: Toxicological Information

2.3. Environmental Effects:

- See section 12: Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Sodium carbonate

CAS-No.	497- 19-8
Concentration	≥99.2 %

4. FIRST AID MEASURES

4.1. Inhalation

- Move to fresh air.
- If symptoms persist, call a physician.

4.2. Eye contact

- In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If eye irritation persists, consult a specialist.

4.3. Skin contact

- Wash off with soap and water.
- If symptoms persist, call a physician.

4.4. Ingestion

- Rinse mouth with water.
- Do NOT induce vomiting.
- If symptoms persist, call a physician or Poison Control Centre immediately.

4.5. Notes to physician

Exposure to decomposition products:

- Immediate medical attention is required.
- If accidentally swallowed obtain immediate medical attention.
- Oxygen or artificial respiration if needed.

5. FIREFIGHTING MEASURES

5.1. Suitable extinguishing media

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Extinguishing media which shall not be used for safety reasons

- None.

5.3. Special exposure hazards in a fire

- Not combustible.

5.4. Hazardous decomposition products

- none

5.5. Special protective equipment for firefighters

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

- Evacuate personnel to safe areas.

- Avoid dust formation.

Advice for emergency responders

- Use personal protective equipment.
- Sweep up to prevent slipping hazard.
- Prevent further leakage or spillage.

6.2. Environmental precautions

- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.
- Prevent any mixture with an acid into the sewer/drain (gas formations).
- Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

- Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

- Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE**7.1. Handling**

- Ensure adequate ventilation.
- Minimize dust generation and accumulation.
- Avoid contact with skin and eyes.
- Keep away from Incompatible products.

7.2. Storage

- Store in original container.
- Keep in a dry place.
- Keep in properly labelled containers.
- Keep container closed.
- Keep away from Incompatible products.

7.3. Packaging material

- Polyethylene
- Woven plastic material + PE.

8. PERSONAL PROTECTION**8.1. Engineering controls**

- Provide appropriate exhaust ventilation at places where dust is formed.
- Refer to protective measures listed in sections 7 and 8.
- Apply technical measures to comply with the occupational exposure limits.

8.2. Personal protective equipment**Respiratory protection**

- Effective dust mask.
- Use only respiratory protection that conforms to international/ national standards.
- Use NIOSH approved respiratory protection.

Hand protection

- Wear suitable gloves.
- Suitable material: Neoprene, Natural Rubber

Eye protection

- Goggles

Skin and body protection

- Dust impervious protective suit
- Rubber or plastic boots
- Rubber or plastic apron

Hygiene measures

- When using, do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. General Information Appearance granules**

Odor	odorless
Physical State:	Powder
Color:	White
pH:	10.3 (1% solution)
Solubility in Water:	Max 33.2% (35.4°C)
Bulk Density:	≥0.9 g/ml

10. STABILITY AND REACTIVITY**10.1. Stability**

- Stable under recommended storage conditions.

10.2. Conditions to avoid

- Exposure to moisture.

10.3. Materials to avoid

- Finely divided aluminum

10.4. Hazardous decomposition products

- None

11. TOXICOLOGICAL INFORMATION**11.1 Toxicological data****Acute oral toxicity**

- LD50, rat, 2800 mg/kg

Acute inhalation toxicity

- LC50, 2 h, guinea pig, 0.8 mg/l
- LC50, 2 h, mouse, 1.2 mg/l
- LC50, 2 h, rat, 2.3 mg/l

Acute dermal irritation/corrosion

- LD50, rabbit, > 2000 mg/kg

Skin irritation

- rabbit, No skin irritation
- Human experience, No skin irritation

Eye irritation

- rabbit, irritant effects

Carcinogenicity

- Remarks: No data available

Genetic toxicity in vitro

- In vitro tests did not show mutagenic effects

Reproductive toxicity

- No data available

12. ECOLOGICAL INFORMATION**12.1. Ecotoxicity effects****Acute toxicity**

- Fishes, *Lepomis macrochirus*, LC50, 96 h, 300 mg/l
- Crustaceans, *Ceriodaphnia dubia*, EC50, 48 h, 200 - 227 mg/l

12.2. Persistence and degradability**Abiotic degradation**

- Water, hydrolyses
Result: acid/base equilibrium as a function of pH Degradation products:
carbonic acid/ bicarbonate/ carbonate

Biodegradation

- Remarks:
The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bio-accumulative potential

- Result: Does not bio-accumulate.

13. DISPOSAL CONSIDERATIONS**13.1. Waste from residues / unused products**

- Contact waste disposal services.
- If recycling is not practicable, dispose of in compliance with local regulations.
- Dilute with plenty of water.
- Neutralize with acid.
- In accordance with local and national regulations.

13.2. Packaging treatment

- Where possible recycling is preferred to disposal or incineration.
- Clean container with water.
- Dispose of rinse water in accordance with local and national regulations.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

13.3. RCRA Hazardous Waste

- Listed RCRA Hazardous Waste (40 CFR 302) - No
- Unlisted RCRA Hazardous Waste (40 CFR 302) - No

14. TRANSPORT INFORMATION

Sea (IMO/IMDG) - not regulated
Air (ICAO/IATA) - not regulated

15. REGULATORY INFORMATION**15.1. Inventory Information****In compliance with:**

- Australia: Inventory of Chemical Substances (AICS)
- Canada: Domestic Substances List (DSL)
- Korea: Existing Chemicals List (ECL)
- EU: List of Existing Chemical substances (EINECS)
- China: Inventory of Existing Chemical Substances (China) (IECS)
- Philippine: Inventory of Chemicals and Chemical Substances (PICCS)
- USA: Toxic Substances Control Act (TSCA)
- New Zealand: Inventory of Chemicals (NZIOC)

15.2. Classification and labelling

Hazard pictograms



Hazard statements

Causes serious eye irritation.

15.3 Precautionary statements

Prevention

- Wash hands thoroughly after handling.
- Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

- IF IN EYES:
Rinse cautiously with water for several minutes.
- If eye irritation persists: Get medical advice.

16. OTHER INFORMATION

REASON FOR ISSUE	Special review Spelling correction
REVISION SUMMARY	Revision #: 6.2

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