



DUDA ENERGY, LLC

Safety Data Sheet SODA ASH DENSE

SECTION 1: Identification

1.1 Product identifier

Product name	SODA ASH DENSE
Product number	Unavailable
Brand	Unavailable
Substance name	Sodium carbonate
EC no.	207-838-8
CAS no.	497-19-8
Index no.	011-005-00-2

1.2 Other means of identification

None

1.3 Recommended use of the chemical and restrictions on use

Soaps and detergents, acidity regulator, glass production, paper production.

1.4 Supplier's details

Name	Duda Energy, LLC
Address	1112 Brooks St Decatur, AL 35601 USA
Telephone	256.340.4866
Fax	Unavailable
email	Unavailable

1.5 Emergency phone number(s)

800-255-3924 MIS: 0006555 Chemtel

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Eye damage/irritation (chapter 3.3), Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H319

Causes serious eye irritation

2.3 Other hazards which do not result in classification

None

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	Sodium carbonate
EC no.	207-838-8
CAS no.	497-19-8
Index no.	011-005-00-2
Formula	Na ₂ CO ₃
Other names / synonyms	Soda ash

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
If inhaled	Move to fresh air and call a doctor if symptoms develop or persist.
In case of skin contact	Wash off with soap and water. Get medical attention if irritation develops.
In case of eye contact	Do not rub eyes! Immediately flush eyes with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do so, and continue rinsing. See a doctor if irritation develops or persists.
If swallowed	Rinse mouth. Get medical attention if symptoms occur.
Personal protective equipment for first-aid responders	Use appropriate PPE where material exposure is possible.

4.2 Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin, and eyes.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically. Keep victim under observation to protect themselves.

SECTION 5: Fire-fighting measures

- 5.1 Suitable extinguishing media**
Water fog, foam, dry chemical powder, carbon dioxide (CO₂)
- 5.2 Specific hazards arising from the chemical**
Hazardous gases may form during fire.
- 5.3 Special protective actions for fire-fighters**
SCBA and full protective gear should be worn.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Ensure adequate ventilation.
Local authorities should be advised if significant spillage cannot be contained.
- 6.2 Environmental precautions**
Avoid substantial release into drains, water-ways, ditches, or onto the ground.
- 6.3 Methods and materials for containment and cleaning up**
For small spills: Sweep up or use a vacuum cleaner fitted with an HEPA filter.
For large spills: Wet down material with water and contain. Shovel material into waste containers. Avoid dust generation during clean-up.
Following product recovery, flush area with water.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Minimize dust generation and accumulation. Provide adequate exhaust ventilation wherever dust may form. Avoid contact with eyes. Wear appropriate PPE. Observe good industrial hygiene practices.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in tightly closed container. Store in a well-ventilated area. Store away from incompatible materials.

Specific end use(s)

See Section 1

SECTION 8: Exposure controls/personal protection

- 8.2 Appropriate engineering controls**
Emergency eye wash stations and showers should be available in close proximity. Provide adequate ventilation when handling.
- 8.3 Individual protection measures, such as personal protective equipment (PPE)**

Eye/face protection

Safety glasses with side shields or goggles.

Skin protection

Wear gloves/sleeves to prevent irritation from dust.

Body protection

Lab gown or other chemical resistant garb should be worn to prevent exposure to dust.

Respiratory protection

Use suitable respirator where high concentration of dust are possible.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	Solid
Odor	Odorless
Odor threshold	Unavailable
pH	11.4-11.7
Melting point/freezing point	851
Initial boiling point and boiling range	Unavailable
Flash point	Unavailable
Evaporation rate	Unavailable
Flammability (solid, gas)	Unavailable
Upper/lower flammability limits	Unavailable
Upper/lower explosive limits	Unavailable
Vapor pressure	< 0.0000001
Vapor density	Unavailable
Relative density	Unavailable
Solubility(ies)	Water @ 20°C, 213 g/l
Partition coefficient: n-octanol/water	Unavailable
Auto-ignition temperature	Unavailable
Decomposition temperature	Unavailable
Viscosity	Unavailable
Explosive properties	None
Oxidizing properties	Unavailable

SECTION 10: Stability and reactivity**10.1 Reactivity**

Non-reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No known hazardous reactions are expected under normal conditions.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

[SODIUM CARBONATE CAS#: 497-19-8]

Inhalation:

LC50/Rat 2.3 mg/l, 2hrs

LC50/Mouse 1.2mg/l, 2hrs

LC50/Guinea pig 0.8 mg/l, 2hrs

Oral:

LD50/Rat 4090mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not a respiratory or skin sensitizer.

Germ cell mutagenicity

No components present @>0.1% are known to be mutagenic or genotoxic.

Carcinogenicity

Not considered carcinogenic by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

Not expected to cause reproductive or developmental issues.

STOT-single exposure

Not classified.

STOT-repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

SECTION 12: Ecological information

Toxicity

Not classified as environmentally hazardous. However, there is a possibility that large or frequent spills may have an harmful or damaging effect on the environment.

[SODIUM CARBONATE CAS#: 497-19-8]

EC50/Water flea [156.6-298.9 mg/l, 48hrs]

LC50/Bluegill [300 mg/l, 96hrs]

Persistence and degradability

No data

Bioaccumulative potential

Low (log Kow <4)

Mobility in soil

Low potential for absorption in soil

Other adverse effects

None classified

SECTION 13: Disposal considerations**Disposal of the product**

Material should be disposed at an authorized disposal/dump facility. Dispose of only in accordance with all applicable regulations.

Disposal of contaminated packaging

Empty/contaminated packaging should be taken to an authorized facility for disposal/recycling.

Waste treatment

Waste product should be collected and disposed of in accordance with all applicable regulations.

SECTION 14: Transport information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations specific for the product in question****SARA 302 Components**

None of the ingredients is listed.

SARA 311/312 Hazards

None of the ingredients is listed.

SARA 313 Components

None of the ingredients is listed.

Toxic Substances Control Act (TSCA) Inventory

All ingredients listed.

California Prop. 65 Components

None of the ingredients is listed.

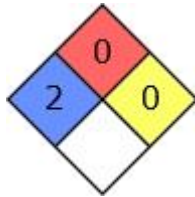
Canadian Domestic Substances List (DSL)

None of the ingredients is listed.

HMIS Rating

Sodium carbonate
HEALTH
2
FLAMMABILITY
Y 0
PHYSICAL HAZARD
0
PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

The information provided in this Safety Data Sheet is correct to the best of Duda Energy LLC's knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This Safety Data Sheet only contains information relating to safety and does not replace any product information or product specification. Please note, the content may be changed, corrected, or deleted at any time without notice and may not always necessarily reflect the most current data. Duda Energy LLC will assume no responsibility for any trouble or failure caused by the errors in the information provided, nor any damage associated with the usage of the information.

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