



WATER SPECIALIST SUPPLY CO.,LTD.

Call : 034-440-851-3, 095-367-5790

Sales : 089-695-8181, 083-705-1000, 089-160-6121

MATERIAL SAFETY DATA SHEET

SODA ASH

PRODUCT:SODA ASH(ALL GRADE)

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

WATER SPECIALIST SUPPLY CO.,LTD.

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PREPARED BY..... Water Specialist Supply CO.,LTD
PREPARATION DATE..... 10/August/16
PRODUCT NAME.....SODA ASH,SODIUM CARBONATE
CHEMICAL FORMULA..... Na_2CO_3 .
MOLECULAR WEIGHT.....106.0 g/mol.
RECOMMENDED USE.....Source of Alkaline, Detergents, Water .
. Treatment, Glass Manufacture, Pulp and Paper
CHEMICAL FAMILY..... Alkali salt.
EMERGENCY PHONE NO..... (+66)34-440-851 to 3 or (+66)95-367-5790

SECTION 02 : COMPOSITION/INFORMATION ON INGREDIENT

Substance

Chemical identity of the pure substance: Soda Carbonate Na_2CO_3

Common name(s), synonym(s): Soda Ash, Light or Dense

CAS Number(s): Soda Carbonate: (497- 19- 8) – 99.2%

SECTION 03: HAZARDS IDENTIFICATION

Hazard Classification:

This material is hazardous according to criteria of National Occupational Health & Safety Commission. (Hazardous Substance, Non-Dangerous Good).

Hazard Category: Xi - Irritant

Risk Phase(s): R36 – Irritating to eyes

Safety Phase(s):

S22 Do not breathe dust

S25 Avoid contact with eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre

S36/39 Wear suitable protective clothing and eye/face protection.

Poisons Schedule: None Allocated.

SECTION 04 : FIRST AID MEASURES

INSTRUCTIONS:

Inhalation:

Remove victim to fresh air. Avoid becoming a casualty.

Allow patient to assume most comfortable position and keep warm. Seek medical advice.

Eye contact:

Eyelids to be held open. Wash continuously with water for at least 15 minutes.

In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion :

Rinse mouth with water. Immediately contact Poisons Information Centre on 131 126 (Australia wide). Give water to drink.

DO NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek medical assistance.

Skin Contact:

Wash affected areas with plenty of water. Remove contaminated clothing and wash before reuse. Seek medical advice if irritation occurs.

Advice to Doctor:

Additional Information: Not Available

Treat symptomatically and as for exposure to corrosive, alkaline substances.

Additional Information: Not Available

SECTION 05 : FIRE FIGHTING MEASURES**Fire and Explosion Hazards:**

Non-flammable material. If involved in a fire will liberate Carbon Oxides.

Keep container cool with water spray.

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion or decomposition.

Suitable Extinguishing Media (any or either of the following):

Water jets or water fog – in the absence of fog a fine spray must be used or Foam or Dry Agent – water must NOT be allowed to come into contact with the dangerous goods at risk.

Additional Information: Hazchem Code – None Allocated.

SECTION 06 : ACCIDENTAL RELEASE MEASURES**Emergency Procedure:**

Clear area of all unprotected personnel. Avoid accidents. Clean up immediately. Wear personal protective equipment. Ensure adequate ventilation.

Method and materials for containment and clean up:

Slippery when wet. Contain – prevent run off into drains and waterways.

Use absorbent (sand, soil or other inert material). Collect and seal in properly labelled containers for disposal. If contamination of sewers has occurred advise local emergency services.

SECTION 07 : HANDLING AND STORAGE

Storage and handling in accordance with all Commonwealth, State or Territory regulations relevant to hazardous substances.

Ensure correct fitting of Personal Protective Equipment prior to handling.

Store in a cool, dry place away from direct sunlight.

Keep containers closed when not in use.

Store away from acids and food stuffs.

Do not enter confined spaces where vapours may have collected.

SECTION 08 : EXPOSE CONTROL/PERSONAL PROTECTION

National Exposure Standard :

No value assigned for this specific material by National Occupational Health and Safety Commission (NOHSC), however:

ES-TWA = 10 mg/m³ Nuisance Particulate (Respirable Dust) should apply

ES-STEL = Not Available

ES-PEAK Limitation = Not Available

ES-TWA is the Time Weighted Average concentration of the work atmosphere for a normal 8-hour day and a 40 hour week, to which nearly all workers can be repeatedly exposed, day after day, without adverse effect.

ES-STEL – Short Term Exposure Limit is the average airborne concentration over a fifteen minute period which should not be exceeded at any time during a normal eight hour work day.

ES-PEAK Limitation (for some rapidly acting substances and irritants, the average of airborne concentration over an eight hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed. An analytically practicable period of time which does not exceed 15 minutes).

Engineering Controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted exposure standards.

Personal Protective Equipment:

The selection of Personal Protective Equipment should be made following a detailed risk assessment. Considerations should be given to the physical form of the chemical, the handling methods and environmental factors such as the area of use, ventilation and exposure times and levels.

Wear safety goggles/glasses, chemically resistant PVC or nitrile rubber gloves, protective clothing and protective footwear.

If dust exists, wear a particulate/mist type respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Always wash hands before smoking, eating, drinking or using the toilet.

Use with adequate ventilation.

SECTION 09 :PHYSICAL AND CHEMICAL PROPERTIES

Physical State :	Solid
Color :	Opaque white
Physical Form :	Crystalline, Granular or Powder
Odor :	Odourless
Molecular Weight:	105.99
Molecular Formula:	Na_2CO_3 .
Boiling Point :	Decomposes above 400°C
Melting Point :	851°C
Decomposition Point :	437-446 F(225-230 C)
Vapor Pressure :	N/A
Vapor Density :	N/A
Specific Gravity(Water =1):	N/A
Bulk Density :	63-66 lbs/ft3(loose)
Water Solubility :	Soluble in water and glycerol Insoluble in alcohol, acetone & ether
PH :	11.3 (1% Solution)
Flash Point :	N/A(does not burn)
Odor threshold :	N/A
Evaporation Rate :	N/A
Ignition temperature: :	N/A
Density :	2.53

SECTION 10:STABILITY AND REACTIVITY

Stability:

Product is stable under normal ambient and anticipated storage and handling condition of temperature and pressure.

Conditions to Avoid :

Extremely dry material forms dusts when disturbed. Hygroscopic material (absorbs moisture).

Incompatibilities :

Corrosive to some metals in the presence of moisture.

Hazardous Decomposition:

Carbon Oxides and Sodium.

Hazardous Reactions :

Exothermically reactions when mixed with strong acids giving off strong irritating vapours.

SECTION 11 : TOXICOLOGICAL INFORMATION

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Chronic effects: Repeated or prolonged skin contact may cause chronic dermatitis.

Acute effects:

Ingestion: Swallowing can result in irritation to the gastrointestinal tract and mouth.

Eye contact: An eye irritant. Contamination of eyes can result in irritation.

Skin contact: Contact with skin will result in irritation, particularly in the presence of moisture.

Inhalation: Breathing in dust may produce respiratory irritation.

Toxicity data:

Oral (Lowest Lethal Dose (Rat))	=4090 mg/kg
Dermal LD50	=Not available
Inhalation LC50	=2300mg/m ³ (2 hour period)
Eyes	=Moderate irritant (Rabbit)

SECTION 12 : ECOLOGICAL CONSIDERATION

Ecotoxicity Data : Avoid contaminating water way

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Mobility: Not available

Persistence :Not available

Additional Information:

Environmental Fate (Exposure):Not available

Bioaccumulative potential :Not available

SECTION 13 : DISPOSAL CONSIDERATION

Spills and Disposals:

Collect and seal in properly labelled drums for disposal to an approved Trade Waste Facility.

Special precautions for landfill or incineration:

Not available.

SECTION 14 : TRANSPORT INFORMATION

Proper Shipping Name :Sodium Carbonate

UN Number : Not allocated

Dangerous Goods Class: Not allocated

Subsidiary Risk : Not allocated

Hazchem Code : Not allocated

Packing Group : Not allocated

Special Precautions for user : No data available

SECTION 15 :REGULATORY INFORMATION

Designated a Hazardous Substance (Xi – Irritant) by the National Occupational Health and Safety Committee (NOHSC).

SECTION 16 :OTHER INFORMATION

Disclaimer :

Water Specialist Supply(WSS THAILAND) CO.,Ltd provide information contained here in good faith but make no representation as to its comprehensiveness or accuracy.This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.