

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

SODA ASH – LIGHT

1.2 Use of the substance

Glass manufacture, detergent manufacture, sodium chemicals and carbonate chemicals manufacture, pulp and paper, brine treatment, water hardness removal, pH adjustment in water or waste water, flue gas desulfurization, ion exchange resin generation.

2. COMPOSITION/INFORMATION INGREDIENTS

2.1 Chemical Name: Na₂CO₃ (%99.1)

2.2 Synonyms: Light Soda Ash

2.3 CAS No: 497-19-8

2.4 Product Code: UDK 661-321-546.332-64

3. HAZARDS IDENTIFICATION

Direct contact with the product causes irritation of the eyes and continuous contact may cause skin irritation. Excessive levels of airborne dust may irritate the mucous membranes and upper respiratory tract.

4. FIRST AID MEASURES

In the case of long term contact to skin wash with plenty of water.

In the case of contact to eyes, immediately flush water for at least 15 minutes, lifting the upper and lower eyelids intermittently.

In the case of allergic symptoms seek for medical advice.

5. FIRE FIGHTING MEASURES

Material is not flammable.

Extinguishing Media: Water, water fog, carbon dioxide (CO₂).

Hazardous Combustion Products: Fumes of sodium oxide.

Fire/Explosion Hazards: Not applicable

Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Hazardous Decomposition Products: Heated to decomposition, it emits fumes of sodium oxide.

6. ACCIDENTAL RELEASE MEASURES

Sweep up and recycle into process if contamination does not present a problem. Use appropriate protective equipment if dust is generated or contact with eyes or skin is expected.

7. HANDLING AND STORAGE

7.1 Handling

Use approved respiratory protection when ventilation systems are not available.

7.2 Storage

Store in a cool dry area, away from acids.

7.3 Shelf life

Packed, in non-humid ambient at 25 degrees Celsius at least 24 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values

Oral rat LD-50 2,8 gms/kg

8.2 Exposure Controls

8.2.1 Occupational Exposure Controls

Dust Filter Mask for respiratory protection, leather or plastic impermeable gloves for hand protection, protecting eye shield for eye protection and industrial safety shoes are recommended. Use local or general room ventilation to control airborne dust that may be generated into the work environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

9.1.1 Appearance

White, crystalline in the form of dust.
Particle Size: 90-120 µm

9.1.2 Odour

Odourless

9.2 Important Health, Safety and Environmental Information

pH

11.2 at 25°C in %1 solution

Boiling Point

Decomposes

Melting Point	851 °C
Percent Volatile	Not applicable
Flash Point	Non combustible
Flammability	Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not applicable
Vapor Pressure	Not applicable
Specific Gravity	2,53 kg/m ³
Solubility in water	21.5 g/100ml water (20°C)
Partition coefficient	Not applicable
Viscosity	Not applicable
Vapor Density	Not applicable
Evaporation Rate	Not applicable

10. STABILITY AND REACTIVITY

10.1 Stability	Stable
10.2 Conditions to avoid	Contact wiht acids except under controlled conditions.
10.3 Materials to avoid	Aluminium powder, acids, fluorine,molten lithium.
10.4 Hazardous decomposition products	None
10.5 Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Eye Effect:Severe irritant(rabbit)
Chronic Effects From Overexposure:No data available for the product.
Carcinogenicity:No carcinogenic effect

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Daphnia Manga 96 hr LC50=265-565 mg/l Bluegill Sunfish 96 hr LC50=300-320 mg/l
12.2 Mobility	None
12.3 Persistence and degradability	None
12.4 Bioaccumulative potential	None
12.5 Other adverse effects	None

13. DISPOSAL CONSIDERATIONS

No special disposal method required,except that in accordance with current local authority regulations.

14. TRANSPORT INFORMATION

Road/rail Transport:Suitable and not dangerous. Must be kept dry.
Sea Transport: Suitable and not dangerous. Must be kept dry.
Air Transport: Suitable and not dangerous. Must be kept dry.
UN Number:None

15. REGULATORY INFORMATION

The product is a not dangerous preparation within the meaning of Turkish Health Regulations, however precautions mentioned must be taken fundamentally and first aid procedure that is mentioned must be carried over.

16. OTHER INFORMATION

Since the conditions of use are beyond the control of our company,It is the responsibility of the user to determine the conditions of safe use of this product.