

Material Safety Data Sheet

1. Production Description

- **Product Name:** Detergent Powder
- **Application of the substance:** Detergents
- **Manufacturer/Supplier:**
Sun Clean Cleaning Ind. LLC
P.O. Box 41475,
SHARJAH – UAE
Tel: +971 (6) 535 20 60
Fax: +971 (6) 534 90 35
www.sun-cleaning.com

Product information:
Tel: +971 (6) 534 90 25
Email: detergents@sun-cleaning.com

2. Hazards identification

- **Hazard designation**



Xi Irritant
R 36 Irritating to eyes
R 37 Irritating to respiratory system
R 38 Irritating to skin

- **Primary Routes(s) Of Entry** Eye Contact, Skin Contact, Dust Inhalation.
- **Eye Hazards** Severe irritation.
- **Skin Hazards** Irritation, or burns possible with prolonged contact
- **Ingestion Hazards** May cause transient gastrointestinal irritation.
- **Inhalation Hazards** Causes respiratory tract irritation.
- **Chronic/Carcinogenicity Effects** The product and its ingredients have not been identified as carcinogen.

3. Composition / information on ingredients

The product is a blend of the following components.

#	Ingredients	% by Weight	Hazard Identification
CAS: 497-19-8 ECun: 207-838-8	Sodium Carbonate	>18 %	Xi; R 36, R 37
CAS: 7647-14-5 EC: 231-598-3	Sodium Chloride	>85%	Xi; R 38
CAS: 27176-87-0 EC: 267-051-0	Linear Alkyl Benzene Sulfonate	1 - 3 %	Xi; R 36, R 37, R 38
	Optical Brightner	>1 %	Non hazardous
	Perfumes	>1 %	

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4. First aid measures

Eye:	In case of contact, immediately flush eyes with plenty of water. Get medical attention immediately. Remove contact lenses, if worn.
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.
Ingestion:	Give water if swallowed. If swallowed, do not induce vomiting unless directed to do so by medical personnel.
Inhalation:	If inhaled, remove to fresh air. Get medical attention if breathing difficulty occurs.
Other:	Consumer product packages have a caution statement: "CAUTION: EYE IRRITANT. MAY BE HARMFUL IF SWALLOWED. In case of eye contact, flush with water. If swallowed, give a glassful of water or milk. Call a physician. KEEP OUT OF REACH OF CHILDREN. "

5. Fire fighting measures

Flash Point:	None ℱ
Auto-ignition Point:	NE ℱ NE ℃
Flammability Class:	Non-flammable

Suitable extinguishing agents

CO₂, extinguishing powder or water jet.
Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.

6. Accidental release measures

Personal Precautions:	Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Use gloves to minimize skin contact.
Environmental Precautions:	DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small (household) solutions may be disposed of in sewer. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash. Waste water containing product may be sewer in compliance with all federal and state/provincial regulations, and local ordinances.
In Case Material Released/ Spilled:	Review Personal Precautions, FIRE FIGHTING MEASURES, HANDLING AND STORAGE, and EXPOSURE CONTROL, PERSONAL PROTECTION sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up. Spilled material may be a slip hazard. For Dry Spills, collect material in an approved container while minimizing dust generation. Vacuum, as appropriate, remaining dust on floor. Recycle or dispose of product, as necessary, in accordance with regulations and other requirements in this section. Flush small (household) quantities down acceptable sanitary/process sewer. Wipe up small spills with a damp cloth. Dispose of according to local regulations.

7. Handling and storage

Handling Precautions:	Keep out of reach of children. Avoid breathing dust or solution spray. Avoid contact with skin and eyes. Do not taste or swallow.
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Storage Precautions: Wash thoroughly after handling.
Keep containers tightly closed.
Keep away from acids.

Work/Hygienic Practices: Wash thoroughly after handling.

8. Exposure controls and personal protection

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Use with adequate ventilation.

Skin Protection: Protective gloves (rubber, neoprene) should be used for any prolonged direct contact.

Respiratory Protection: Industrial use may require a NIOSH approved respirator with HEPA filters.

Eye Protection: If a splash of product in solution is likely, chemical goggles may be needed.

9 Physical and chemical properties

Physical State: Powder
Appearance: Off-white
Odor: Lemon
Melting Point: Not determined
Boiling Point: Not determined
Flash Point: Not determined
Chemical Type: Mixture
Inflammability: Non inflammable
Percent VOCs: 1.4
pH Value: 11.5 to 12 At a Concentration Of use dilution
Solubility: Complete

10. Stability and reactivity

Stability: Stable
Hazardous Polymerization: None
Incompatible Materials: Avoid strong oxidizing and reducing agents. Avoid contact with strong acids.
TOXICOLOGICAL INFORMATION: No Data Available
ECOLOGICAL INFORMATION: No Data Available

11. Toxicological information

497-19-8 sodium carbonate

Oral LD50: 4090 mg/kg (rat)

7647-14-5 sodium chloride

Oral: LD50: 3000 mg/kg (rat)

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27176-87-0 Linear Alkyl Benzene Sulfonate

Oral: LD50: 1080 mg/kg (rat)

Primary irritant effect:

- **on skin:** A longer contact with skin can lead to skin irritation.
- **on eyes:** Irritant effect.
- **Sensitization:** No sensitizing effect known.

12. Ecological information

Behaviour in environmental systems: Not determined.

Mobility and bioaccumulation potential: Not determined.

Sodium carbonate

Fish: LC50: 300 mg/l/96h

Crustaceans: LC50: 565 mg/l/48h

Sodium Chloride

Fish: 7400 mg/l/96h

Crustaceans: LC50: 4660 mg/l/48h

13. Disposal considerations

- Disposal must be made according to official regulations.
- Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

14. Transport information

The finished product is non-hazardous under DOT.

15. Regulatory information

Code letter and hazard designation of product:



Xi Irritant
R 36 Irritating to eyes
R 37 Irritating to respiratory system
R 38 Irritating to skin

Hazard-determining components of labeling:

Sodium carbonate

Risk phrases:

36 – irritant to eyes.

37 – irritant to respiratory system

38 – irritant to skin

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Safety phrases:

1 / 2 – Keep locked up and out of reach of children

13 – Keep away from food, drink and animal foodstuffs

24 / 25 – Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

26 – Avoid contact with eyes, rinse immediately with plenty of water and seek medical advice

46 - If swallowed, seek medical advice immediately and show this container or label.

16 Other information

Relevant R-phrases

22 - Harmful if swallowed.

36 - Irritating to eyes.

36/38 - Irritating to eyes and skin.

37/38 - Irritating to respiratory system and skin.

41 - Risk of serious damage to eyes.

42 - May cause sensitisation by inhalation.

Disclaimer:

The above information is to the best of our knowledge, current, accurate, and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of the product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exception conditions or circumstances exist or because of applicable laws or regulations.