

SAFETY DATA SHEET (SDS)

Renew & Bloom Laundry Powder

Version: 1.1

Date: 01/11/2024

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: Laundry Powder

Intended Use: Household laundry detergent

Company Name: Renew & Bloom Ltd

Company Address: Office 417, 37 St. Andrews Street, Norwich, NR2 4TP

Emergency Contact Number: 03330509975

Email: support@renewandbloom.co.uk

SECTION 2: HAZARDS IDENTIFICATION

Classification (Regulation (EC) No 1272/2008 [CLP]):

- Eye Irritation Category 2 (H319: Causes serious eye irritation – due to Sodium Carbonate)
- Skin Irritation Category 2 (H315: May cause skin irritation – in case of prolonged exposure)

Label Elements:

- **Signal Word:** WARNING

Hazard Statements:

- H319: Causes serious eye irritation.
- H315: May cause skin irritation.

Precautionary Statements:

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/eye protection if handling in large amounts.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	% Composition	Hazard Classification
Sodium Bicarbonate	144-55-8	205-633-8	44%	Not classified
Sodium Carbonate	497-19-8	207-838-8	22%	Eye Irrit. 2 (H319)
Sodium Tallowate	8052-48-0	232-409-8	3.5%	Not classified
Sodium Palm Kernelate	61789-89-7	263-098-6	3.0%	Not classified
Aqua (Water)	7732-18-5	231-791-2	2.14%	Not classified
Glycerin	56-81-5	200-289-5	1.64%	Not classified
Sodium Chloride	7647-14-5	231-598-3	21.5%	Not classified
Tetrasodium EDTA	64-02-8	200-573-9	1.14%	Not classified
Tetrasodium Etidronate	3794-83-0	223-267-7	0.94%	Not classified
Essential Oils (varied)	Mixture	-	0.64%	May cause allergic reaction (if >0.1%)

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled in large quantities, move to fresh air and seek medical attention if symptoms persist.

Skin Contact: Rinse with water. If irritation develops, seek medical advice.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Seek medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if large quantities are ingested.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, dry chemical, or CO₂.

Specific Hazards Arising from the Chemical: None known.

Protective Equipment for Firefighters: Standard protective gear including self-contained breathing apparatus if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and prolonged skin exposure.

Cleanup Methods: Sweep up and dispose of according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid eye contact. Wash hands after use.

Storage: Keep in a dry, cool area in a tightly sealed container. Keep away from moisture.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits assigned.

Personal Protective Equipment (PPE):

- Gloves recommended for prolonged handling.
- Safety glasses recommended for bulk handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odor: Mild (depends on essential oils used)

Solubility: Soluble in water

pH (1% solution): Approx. 9-10

Boiling Point: Not applicable

Melting Point: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Incompatible Materials: Strong acids.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

- **Inhalation:** May cause minor irritation if inhaled in high quantities.
- **Skin Contact:** May cause irritation in sensitive individuals.
- **Eye Contact:** Causes serious eye irritation.
- **Ingestion:** Not toxic in small amounts but may cause discomfort.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability & Environmental Impact:

- The majority of ingredients in this product are **readily biodegradable** and do not persist in the environment.
- **Sodium Bicarbonate, Sodium Carbonate, Sodium Chloride, and natural soaps (Sodium Tallowate, Sodium Palm Kernelate)** degrade naturally and do not accumulate in aquatic systems.
- **Tetrasodium EDTA** may have some environmental persistence but is used at low concentrations to minimize impact.
- **Tetrasodium Etidronate** is biodegradable over time and used in minimal quantities.
- **Essential Oils (if present)** are plant-derived and naturally degrade in the environment.

Aquatic Toxicity:

- No significant impact expected from most ingredients at normal use concentrations.
- Tetrasodium EDTA may contribute to **metal ion chelation in wastewater**, potentially affecting aquatic ecosystems if discharged in high amounts.
- The product is designed to be **environmentally friendly** and safe for home wastewater systems when used as directed.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

Complies with **Detergents Regulation (EC) No 648/2004**.

Complies with **UK REACH and CLP regulations**.

SECTION 16: OTHER INFORMATION

This SDS is based on currently available data and is intended to describe the product for health and safety requirements only.