

SAFETY DATA SHEET

Unicare Laundry Powder

UNICARE (CHEMICALS) LTD

1 Identification

Product Identifier:

Unicare Laundry Powder

Other means of identification:

No available data

Recommended use of the chemical and restriction on use:

Laundry powder

Supplier's details:

Unicare (Chemicals) Ltd,
Aradhippou Industrial Area,
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Emergency phone number

1401

2 Hazard(s) identification

Classification of the substance or mixture

According to regulation (EC) No 1272/2008 [CLP]

Corrosive / Irritant to Skin: Hazard Category 2

Serious Eye Damage / Irritation: Hazard Category 1

Skin Sensitization: Hazard Category 1

GHS Label Element



Signal Word:

Danger

Hazard Statements:

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

Precautionary Statement

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash your hands thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container to waste according to national / local regulations.

Other hazards which do not result in classification

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

Mixture

Description	- CAS Number - EINECS Number - Reach registration number	Concentration (% w/w)	Note / Classification
Sodium sulphonate	- 68081-81-2 - 268-356-1 - N/A	3.5 – 4.5	Acute Tox. 4 (oral): H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335
Sodium silicate	- 1344-09-8 - 215-687-4 - N/A	5.5 – 6.5	Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335; Met. Corr.: H290
Sodium sulphate	- 7757-82-6 - 231-820-9 - N/A	50 – 55	Skin Sens. 1: H317
Sodium carbonate	- 497-19-8, 6132-02-1, 7440-23-5 - 207-838-8 - N/A	4.0 – 5.0	Eye Irrit. 2: H319
Alcohols, C13-15, branched and linear, ethoxylated	- 157627-86-6 - 500-338-8 - N/A	1.0 – 1.5	Acute Tox. 4 (oral): H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

4 First-aid measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, and consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 Fire-fighting measures

Extinguishing media

Flash Point & Method

None

Suitable Extinguishing Media

Pulverized water, foam, dry chemical & carbon dioxide

Specific hazards arising from the chemical

Carbon monoxide, carbon dioxide, formaldehyde, as well as other toxic vapours and gases which are common to thermal degradation (in case of fire) of organic compounds.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, Section 8.

Environmental precautions

No special precautions required.

Methods and materials for containment and cleaning up

For residues: Pick up with suitable absorbent material.

Large Spillages: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7 Handling and storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:

Storage temperature: 10 - 40 °C

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: 70 °C

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8 Exposure controls/personal protection

Control parameters

Ingredients 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.

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. (Particle filter EN 143 P2 or FFP2)

Hand protection:

Chemical resistant protective gloves. (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work.

Handle in accordance with good industrial hygiene and safety practice.

9 Physical and chemical properties

Physical and chemical properties

General Information

- **Appearance:**
 - Form: Solid (powder)
 - Colour: White
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value:** 10 – 11
- **Specific gravity (25 °C):** Not determined

- **Change in condition**
Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined
- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
Lower: Not determined.
Upper: Not determined.
- **Vapour pressure at 20 °C:** Not determined
- **Bulk Density at 20 °C:** 500 – 600 g / L
- **Flow coefficient:** < 8 s
- **Dynamic flow rate:** > 100 mL / s
- **Volume compression:** < 25 %
- **Particle size:**
 - mean: 0.4 – 0.6 mm
 - > 0.108 mm: < 10 %
 - > 0.710 mm: < 10 %
 - > 1.400 mm: < 2 %
- **Solubility in / Miscibility with water:** Miscible
 - Insoluble particle at 40 °C: <5 %

10 Stability and reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

No specific test data related to reactivity available for this product or its ingredients.
 The product does not contain peroxides (or any other explosive chemicals).

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

See SDS Section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

Acids, halogens, reactive chemicals

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11 Toxicological information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Toxicological (health) effects:

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Assessment: Causes skin irritation.

Serious eye damage/irritation: Assessment: Causes serious eye damage.

Respiratory or skin sensitisation: Assessment: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: No aspiration hazard expected.

Symptoms related to the physical, chemical and toxicological characteristics: Not available data.

Numerical measures of toxicity (such as acute toxicity estimates): Not available data.

Toxicological Data: Sodium Sulphonate (CAS: 68081-81-2)

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 438 mg/kg [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans: Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, permeator) or inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Toxicological Data: Sodium silicate (CAS: 1344-09-8)

Acute Toxicity (oral): LD50 (rat): 1960 mg/kg

Toxicological Data: Sodium sulphate (CAS: 7757-82-6)

Acute toxicity: LD50 Oral - Mouse - 5.989 mg/kg

Skin corrosion/irritation: Skin – Rabbit: Result: No skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes – Rabbit: Result: No eye irritation

Respiratory or skin sensitisation: Maximisation Test (GPMT) - Guinea pig: Result: Does not cause skin sensitisation. (OECD Test Guideline 406)

Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Toxicological Data: Alcohols, C13-15, branched and linear, ethoxylated (CAS: 157627-86-6)

Acute toxicity

Assessment of acute toxicity: moderate toxicity after single ingestion.

Experimental/calculated data: LD50 rat (oral): 500 - 2,000 mg/kg [Literature data]

Irritation:

Experimental/calculated data: Skin corrosion/irritation: non-irritant [Literature data]

Serious eye damage/irritation rabbit: irreversible damage (Draize test)

Other relevant toxicity information: The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Ecological information

Toxicity:

Eco toxicity

No relevant information available.

Persistence and Degradability

No relevant information available.

Bioaccumulation

No relevant information available.

Mobility in soil

No relevant information available.

Other Adverse Effects

No relevant information available.

Ecological Data: Sodium Sulphonate (CAS: 68081-81-2)

No available information.

Ecological Data: Sodium silicate (CAS: 1344-09-8)

No available information.

Ecological Data: Sodium sulphate (CAS: 7757-82-6)

Toxicity

Toxicity to fish:

LC50 - Gambusia affinis (Mosquito fish) - 120 mg/l - 96 h

LC50 - Lepomis macrochirus - 4.380 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) - 2.564 mg/l - 48 h

Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

Ecological Data: Alcohols, C13-15, branched and linear, ethoxylated (CAS: 157627-86-6)

Toxicity to fish:

LC50 (96 h) 1 - 10 mg/l, Brachydanio rerio

Aquatic invertebrates:

EC50 (48 h) 1 - 10 mg/l, Daphnia magna [Literature data]

Aquatic plants:

EC50 (72 h) 1 - 10 mg/l, Scenedesmus subspicatus [Literature data]

Microorganisms/Effect on activated sludge:

EC10 > 1,000 mg/l, activated sludge (DEV-L2)

Chronic toxicity to aquatic invertebrates:

No observed effect concentration > 0.1 - < 1 mg/l [Literature data]

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

14 Transport information

UN Number: ADR/RID, IMDG, IATA: Not applicable
UN Proper Shipping Name: ADR/RID, IMDG, IATA: Not applicable
Transport hazard class(es): None
Packing group, if applicable: Not applicable
Environmental hazards: Not applicable
Special precaution for user: Not applicable
Transport in bulk according to Annex II of Marpol 73/78 and the IBCcode: Not applicable

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I:** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

PNEC: Predicted No-Effect Concentration

H290: May be corrosive to metals.

H302: harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Met. Corr.: Corrosive to metals

Skin Irrit. 2: Skin corrosion/irritation: Hazard Category 2

Skin Sens. 1: Skin sensitization: Hazard Category 1

Eye Dam. 1: Serious eye damage/ eye irritation: Hazard Category 1

Eye Irrit. 2: Serious eye damage/ eye irritation: Hazard Category 2

Acute Tox. 4 (oral): Acute oral toxicity: Hazard Category 4

STOT SE 3: Specific target organ toxicity – single exposure: Hazard category 3

Aquatic Chronic 3: Long-term aquatic hazard: Hazard Category 3