

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name:

SCALE AWAY - Powder

Product Format:

Powder filled sachet filled in a cardboard blister

Product Use:

Descaler

Supplier in UK:

Reckitt Benckiser
Wellcroft House
Wellcroft Road
Slough,
Berkshire
SL1 4AQ

Supplier in The Republic Of Ireland:

Reckitt Benckiser Ireland Ltd
7 Riverwalk
Citywest Business Campus
Dublin 24
Ireland

Contact Telephone: 0845 769 7079

Contact Telephone: 01 661 7318

Contact Email: consumer.relations-ukroi@reckittbenckiser.com

Date Issued: 31 Dec 2010 **RB Ref No:** 6000031102 **Issue:** 2 **RB parent code:** D0011425 v2 + DSP002CGB v2 **Revisions:** Revised Address

2. HAZARDS IDENTIFICATION.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) Xi - Irritant

Most important hazards

R-phrases(s) R36 - Irritating to eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical nature of the preparation This product contains:

| Chemical Name | CAS-No | EINECS / ELINCS | REACH-No | Proportion (% w/w) | Classification |
|---------------|---------|-------------------|--------------------------|--------------------|----------------|
| Citric acid | 77-92-9 | EINECS: 201-069-1 | No information available | 60 % - 100 % | Xi;R36 |

Other ingredients may be present as being disclosed by the ingredient declaration on package.

For the full text of the R phrases mentioned in this Section, see Section 16.



4. FIRST-AID MEASURES.

| | |
|-----------------------------------|--|
| General advice | Get medical attention immediately if symptoms occur. Show the container and / or this safety data sheet to the doctor in attendance. |
| Skin Contact | Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. |
| Eye Contact | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Inhalation | Move to fresh air. If symptoms persist, call a physician. |
| Ingestion | If swallowed, seek medical advice immediately and show this container or label. Rinse mouth. Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. |
| Notes to Physician | Treat symptomatically |
| Protection of First-aiders | Use personal protective equipment. |

5. FIRE-FIGHTING MEASURES.

| | |
|---|--|
| Flash point: | Not flammable. |
| Suitable Extinguishing Media: | As suitable for the surrounding fire. |
| Extinguishing media which must not be used for safety reasons: | No information available |
| Specific Hazards Arising from the Chemical: | Thermal decomposition can lead to release of irritating gases and vapors. Dusts or fumes may form explosive mixtures in air. |
| Special protective equipment for fire-fighters | Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire. |
| Precautions for fire-fighting | Standard procedure for chemical fires. |

6. ACCIDENTAL RELEASE MEASURES.

| | |
|-----------------------------------|--|
| Personal Precautions: | Ensure adequate ventilation. Use personal protective equipment. Avoid contact with the skin and the eyes. |
| Environmental Precautions: | Do not allow large spill quantities to enter drainage / surface water / ground water. Local authorities should be advised if significant spillages cannot be contained. |
| Methods for Cleaning up: | Wear personal protective equipment. Small spillage: Avoid dust formation Take up dry. Forward for disposal. Clean up affected area. Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations. |
| Methods for Containment: | Prevent further leakage or spillage if safe to do so |



7. HANDLING AND STORAGE.

| | |
|-------------------------------|---|
| Handling: | Read label before use. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Wash hands after handling. |
| Storage: | Store in original container in areas inaccessible to small children and pets. Keep tightly closed in a dry and cool place. Store in upright position only Store away from other materials Keep out of the reach of children. |
| Storage Classification | 13 (=Non-combustible solids, following German VCI-concept) |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Occupational exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection: No protective equipment is needed under normal use conditions. Use only with adequate ventilation. In the case of respirable dust, use self-contained breathing apparatus.

Eye Protection Tightly fitting safety goggles

Hand Protection: For prolonged or repeated contact use protective gloves

Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection.

Hygiene measures

When using, do not eat, drink or smoke.
Wash hands after use to prevent possible eye irritation from accidental contact with any residue on the hands.

Environmental exposure controls

Do not allow material to contaminate ground water system

9. PHYSICAL AND CHEMICAL PROPERTIES.

| | |
|---|---------------------------------------|
| Physical State: | Solid. |
| Appearance: | Crystalline. Powder |
| Colour: | White |
| Odour: | None |
| pH | 1.7 |
| Boiling Point/Range: | Not applicable |
| Melting point/range | 153°C |
| Solubility: | Water solubility: completely soluble. |
| Specific Gravity / Density [g/mL]: | 1.66 |
| Flash Point: | Not applicable, solid. |
| Autoignition Temperature: | 345°C |
| Evaporation Rate: | Not applicable |
| Decomposition Temperature: | > 175°C |



10. STABILITY AND REACTIVITY.

| | |
|--|---|
| Stability | Stable under normal conditions. |
| Conditions to Avoid: | Store away from excessive heat and moisture. Dust may form explosive mixture in air. |
| Incompatible Products | <ul style="list-style-type: none">• Oxidizing agents• Reducing agents• Powdered metals• Incompatible with bases. |
| Hazardous Decomposition Products: | Oxides of carbon and unknown organic compounds. |
| Polymerization: | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

| | |
|--|-----------------------------|
| LD₅₀ Oral: | >2000 mg/kg (rat) estimated |
| LD₅₀ Dermal: | No information available |
| LC₅₀ Inhalation (Dust): | No information available |
| LC₅₀ Inhalation (Vapor): | No information available |

ACUTE EFFECTS

| | |
|------------------------|---|
| Eye Irritation | Irritating to eyes. |
| Skin Irritation | None expected during normal conditions of use. |
| Inhalation | None expected during normal conditions of use. |
| Ingestion | Health injuries are not known or expected under normal use. |
| Sensitization | Not expected to be a skin sensitizer. |
| Chronic Effects | No information available. |

Specific Effects

| | |
|---|--|
| Carcinogenic Effects: | Not listed as carcinogenic by OSHA, NTP or IARC. |
| Mutagenic Effects | No information available. |
| Reproductive Toxicity: | No information available. |
| Additional Toxicity Information: | Information given is based on data on the components and the toxicology of similar products. |

COMPONENT TOXICITY DATA

| Chemical Name | CAS-No | LD50 Oral - with units - Rat - mg/kg | LD50 Dermal - With Units - Rat/Rabbit - mg/kg | LC50 Inhalation - With units - Rat/Rabbit |
|---------------|---------|--------------------------------------|---|---|
| Citric acid | 77-92-9 | 3000 mg/kg (Rat) | | |



12. ECOLOGICAL INFORMATION.

Ecotoxicity:

PRODUCT TOXICITY DATA

Aquatic toxicity: Because of pH change (Lower) when in water the possibility of danger to aquatic life exists.

COMPONENT TOXICITY DATA

Citric acid

Freshwater Fish

LC50 96 h *Lepomis macrochirus* 1516 mg/L

Water Flea

EC50 72 h 120 mg/L

Other Information

**Ozone depletion potential; ODP;
(R-11 = 1)** No information available.

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Information given is based on data on the components and the ecotoxicology of similar products. Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers: Bulk quantities of product must be disposed of according to Local, State and Federal regulations.

Special Precautions for Landfill or Incineration: Suitable for incineration in accordance with local waste regulations

Contaminated Packaging: Dispose of empty container in household trash.

For bulk quantities dispose of in accordance with local, regional or national requirements. For further information contact your local waste authority.

Further information: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Waste codes should be assigned by the user based on the application for which the product was used.

Packaging and container to be recycled only if emptied completely!

EWC waste disposal No: 200114 - acids

14. TRANSPORT INFORMATION.

General remarks For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

ICAO Not regulated

IATA Not regulated

IMDG/IMO not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s)

Xi - Irritant



R -phrase(s)

R36 - Irritating to eyes

S -phrase(s)

S 2 - Keep out of the reach of children
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label

16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R36 - Irritating to eyes.

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product. All information contained herein is only to assist the recipient in fulfilling their statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which they remain the sole person responsible.