

PRODUCT SAFETY DATA SHEET

15/01/12 #1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: Actipro Biological Laundry Powder

A professional bactericidal laundry powder formulated for washing heavily soiled cotton and polycotton fabrics from the healthcare sector including hospitals and nursing homes. Not suitable for wools and silks.

Company Name: Revert Ltd.
Brunswick Ind. Est.,
Brunswick Village,
Newcastle-upon-Tyne
NE13 7BA
England
Tel: +44 (0) 191 236 5999
Email: sales@revert.ltd.uk

2. Hazards Identification

None if used properly. This product is not classified as dangerous according to Regulation (EC) No 1272/2008.

Eye contact: Transient superficial irritation.

Skin contact: Prolonged exposure may cause skin irritation.

Ingestion: Possible mild gastro-intestinal irritation with nausea and vomiting.

Inhalation: Inhaling aerosolized product may cause mild irritation of the respiratory system.

Environment: Raw materials are biodegradable. See Ecological Information (Section 12) for further details.

3. Composition/Information on Ingredients

Declarable Components

Common Name	CAS	Classification	Conc(%)
Sodium Silicates		10213-79-3 C; R34, Xi; R37	10 – 20
Sodium Carbonate Peroxide		15630-89-4 Xn; R22. Xi; R36, R38. O; R8.	10 – 20

Sodium Carbonate	497-19-8	Xi; R36.	5 – 10
Sodium Silicates	1344-09-8	Xi; R41, R37/38	5 – 10
Linear Primary Alcohol Ethoxylate	68961-67-7	Xn; R22. Xi; R41. N; R50	1 – 5
Linear Primary Alcohol Ethoxylate	68439-45-2	Xn; R22. Xi; R41.	1 – 5
Alkyldimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	C;R34. Xn; R21/22. N; R50.	0.1 – 1
Alkyldimethyl Benzyl Ammonium Chloride	68391-01-05	C; R34. Xn; R21/22. N; R50.	0.1 – 1
Alkyldimethyl Amines	68391-04-8	C; R34. Xn; R22. N; R50.	0.1 – 1
Enzymes	9014-01-1	Xn; R42. Xi; R36/38	< 1
Citronellol	106-22-0	Xi; R38, R43. N; R51/53.	< 0.1
Geraniol	106-24-1	Xi; R38, R43.	< 0.1
Hexyl Cinnamic Acid	101-86-0	Xi; R43.	< 0.1

The full texts for all R-phrases are displayed in Section 16 'Other Information'.

Labelling for Contents

15 – 30% Sodium Sesquicarbonate

15 – 30% Sodium Silicates

10 – 20% Oxygen-Based Bleaching Agent

5 – 10% Zeolites, Phosphates, Sodium Carbonate

5 – 10% Non-Ionic Surfactants

1 – 5% Phosphonates, Polycarboxylates, Quaternary Ammonium Compounds, TAED.

Further Ingredients: Enzymes, Antifoam, Perfumes; Citronellol, Geraniol and Hexyl Cinnamic Acid.

4. First-Aid Measures

Eye Contact: Rinse thoroughly with plenty of water for several minutes. If symptoms persist, seek medical advice.

Skin Contact: Rinse affected area with water. If needed apply cold compress to relieve irritation.

If symptoms persist, discontinue use of product and seek medical advice.

Ingestion: Drink water to dilute product. Do not induce vomiting. Act immediately in order to prevent further irritation of mouth, throat and stomach mucosa. If symptoms persist, if persistent vomiting occurs or if blood tinged vomit is present, seek medical advice.

Inhalation: Go into open air and ventilate suspect area. If irritation is experienced, mouth and throat may be rinsed with water. Particles adhering to the nasal cavity may be rinsed/diluted with saline/plain water. If irritation or asthma-like symptoms persist, seek medical advice.

5. Fire Fighting Measures

Extinguishing Media: Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO², dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.

Special Hazards: When heated sufficiently, product may decompose to form smoke and toxic fumes.

Special Protective Equipment: Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. For appropriate personal protection see section 8.

Environmental Precautions: Although this product is suitable for down the drain disposal it is advised that as much of the dry material is contained before final dispersal of any residue with water.

Methods and Material for Containment and Clean-Up: For large spills: collect spillage with a vacuum (preferable) or brush and shovel and rework/dispose as per local legislation. For small spills: shovel into container for disposal.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with skin and eyes and inhalation of dust. Wear protective clothing as per section 8.

Storage Precautions: Store in closed original container in a cool and dry area with sufficient ventilation.

8. Exposure Controls/Personal Protection

Not a hazard in normal use.

Control Parameters: General dust limit value 6 mg/m³ (fine dust concentration).

Valid for Germany, business area detergents/cleansers. Basis, Germany – Occupational Exposure Limit Values.

Exposure Controls:

Good general ventilation is recommended.

Respiratory protection: if dust is produced, wear P2 mask.

Hand protection: for the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves may be replaced immediately at the first sign of wear and tear. We recommend the change of single use protective gloves periodically and implementation of a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection: wear tight fitting goggles or side shield safety glasses.

9. Physical and Chemical Properties

Appearance: white powder

Odour: perfumed with slight ammonia

pH (10% aqueous solution): ca. 10.4

Reserve alkalinity: n/a g NaOH/100g

Not Flammable. Non-Explosive. Non-Oxidizing.

Relative density: 0.7 – 1.1.

Water solubility: high

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: None

Materials to Avoid: Do not mix with other cleaning products unless advised to do so by a professional from the industry.

11. Toxicological Information

Acute Toxicity: Not toxic by ingestion, dermal contact or inhalation. May cause vomiting if very large quantities are ingested. Do not induce vomiting.

Irritation/Corrosivity: Possibility of slight irritation to skin and eyes. If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes flushing with water is recommended.

Inhalation of dust may cause slight irritation of respiratory system.

Sensitisation: Does not provoke a sensitization.

Repeated does toxicity: Repeated exposure to low levels (e.g. on fabrics or diluted in washing water) will not cause adverse effects.

Carcinogenicity/Mutagenicity/Teratogenicity: Based on available data the classification criteria are not met.

12. Ecological Information

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.

Ecotoxicity: This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route.

Acute fish toxicity LC50 > 10 - <= 100mg product/l.

Acute bacterial toxicity EC50 > 100 mg product/l.

Persistence and Degradability: This product has been found has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Bioaccumulative Potential: The surfactant ingredients of this product are not expected to bioaccumulate.

Mobility in Soil: Not determined.

13. Disposal Considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.

14. Transport Information

UN No: None

Classification: Not classified as hazardous for transport.

UN proper shipping name: None

Transport Hazard Class: Not subject to ADR/IATA/IMDG/RID codes.

Packing Group: None

Environmental Hazards: None

Special Precautions for User: None

15. Regulatory Information

This product is not classified as dangerous according to Regulation (EC) No 1272/2008 and national laws. All substances in the preparation are registered in the EU.

Risk Phrases None.

Safety Phrases: S2 Keep out of reach of children.

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging for Supply) Regulation (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

16. Other Information

This product does not require any special training before use. Usage and handling instructions are mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R8 Contact with combustible material may cause fire.

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R42 May cause sensitization by inhalation.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.