

Freedom



NON-BIOLOGICAL LAUNDRY LIQUID

Description

A non-biological laundry liquid that works through the fibres of the fabric to give a deep down, ultra fresh clean at low temperatures.

Benefits and Features

Extremely effective in both hard and soft water areas.

N.b. Always check care instructions before washing, Never wash flame resistant fabrics above 50°C, Never soak non-colourfast flame resistant fabrics, leather or garments with metal fasteners.

Directions for Use

	Light Soil	Medium Soil	Heavy Soil
Soft / Medium Water	10 ml/Kg	15 ml/Kg	20 ml/Kg
Hard Water	15 ml/Kg	20 ml/Kg	25 ml/Kg

For hand washing- Use 30-60 ml per 10 litres of water and dissolve completely and then rinse fabric thoroughly. People with sensitive or damaged skin should avoid prolonged contact with neat liquid and/or washing solution. Always rinse and dry hands thoroughly after use.

Risk Phrases

- R41: Risk of serious damage to eyes.

Safety Phrases

- S2: Keep out of the reach of children.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S39: Wear eye/face protection.

Hazardous Ingredients

- Alcohols, C14-15 ethoxylated
- Benzene sulphonic acid, mono-C10-16 alkyl derivatives.



Packaging

2 x 5 ltr plastic bottles packaged in a strong cardboard outer.

SPD1454

13

Storage: Avoid extremes of temperature.
Shelf life unopened approx. 1 year.

Precautionary phrases: Safety data sheet available for professional user on request.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions that complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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SAFETY DATA SHEET

FREEDOM NON-BIOLOGICAL LAUNDRY LIQUID

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Sent to: Staples Disposables Ltd

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: FREEDOM NON-BIOLOGICAL LAUNDRY LIQUID

Product code: SPD1454

Company name: Staples Disposables Ltd
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2. HAZARDS IDENTIFICATION

Main hazards: Risk of serious damage to eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ALCOHOLS, C14-15, ETHOXYLATED 1-10%

CAS: 68951-67-7

[Xn] R22; [Xi] R41; [N] R50

- ETHANOL 1-10%

EINECS: 200-578-6 CAS: 64-17-5

[F] R11

- BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVATIVES 1-10%

CAS: 68081-81-2

[Xn] R22; [Xi] R38; [Xi] R41

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

[cont...]

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Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHANOL
WEL (8 hr TWA): 1920 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Green

Odour: Characteristic odour

Solubility in water: Highly soluble

Relative density: 1.048g/l

pH: 8

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHANOL

IVN RAT LD50 1440 mg/kg

ORL MUS LD50 3450 mg/kg

ORL RAT LD50 7060 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: Not Classified.

IMDG / IMO

UN no: Not Classified.

IATA / ICAO

UN no: Not Classified.

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R41: Risk of serious damage to eyes.

Safety phrases: S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical

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advice.

S39: Wear eye / face protection.

Haz. ingredients (label): ALCOHOLS, C14-15, ETHOXYLATED; BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVATIVES

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.3: R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.
R11: Highly flammable.
R38: Irritating to skin.

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.