



# HIGH STRENGTH MACHINE DISHWASH

## ~ With Tannin Remover

### Description

A Straw coloured liquid for use in automatic dishwash machines. High strength for eliminating grease deposits from crockery and cutlery.

### Benefits and Features

Rapidly cleans grease and food deposits from crockery and cutlery. Very economical to use.

### Directions for Use

Always follow machine manufacturer's instructions. Dilute at 1:500. The recommended operating temperature is 65°C. The use of machine rinse aid is recommended for optimum results. Do not use with aluminium utensils.

### Risk Phrases

- R32: Contact with acids liberates toxic gas.
- R35: Causes severe burns

### 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.
- S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### Hazardous Ingredients

- Sodium Hydroxide
- Stabilised Chlorine Dioxide



### Packaging

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

**SPD924**

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**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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KITCHEN

# SAFETY DATA SHEET

MACHINE DISHWASH

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Issued: 17/12/2008

Revision No: 3

Sent to: Staples Disposables Ltd

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

**Product name:** MACHINE DISHWASH

**Product code:** SPD924

**Company name:** Staples Disposables Ltd  
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Sleaford  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Contact with acids liberates very toxic gas. Causes burns.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** >SODIUM HYDROXIDE< 1-10%  
EINECS: 215-185-5 CAS: 1310-73-2  
[C] R35
- >1-HYDROXYETHANE-1,1-DIPHOSPHORIC ACID< 1-10%  
CAS: 2809-21-4  
[Xi] R41
  - >STABILISED CHLORINE DIOXIDE< 1-10%  
CAS: 10049-04-4  
[Xn] R22; [-] R32; [Xi] R36/38
  - SODIUM NITRIL-TRIACETATE MONOHYDRATE 10-30%  
[Xi] R36/38

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

[cont...]

**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure hazards:** Corrosive. 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:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. 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:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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. Do not handle in a confined space. 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**

- 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:** Impermeable gloves.

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

**Skin protection:** Impermeable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Yellow

**Odour:** Barely perceptible odour

**pH:** Approx 13

## 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:** >1-HYDROXYETHANE-1,1-DIPHOSPHORIC ACID<

ORL RAT LD50 >2000 mg/kg

SKN RBT LD50 >2000 mg/kg

- >STABILISED CHLORINE DIOXIDE<

ORL RAT LD50 1075 mg/kg

- SODIUM NITRIL-TRIACETATE MONOHYDRATE

ORL RAT LD50 4200 mg/kg

SKN RBT LD50 10000 mg/kg

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

## 12. ECOLOGICAL INFORMATION

**Hazardous ingredients:** >1-HYDROXYETHANE-1,1-DIPHOSPHORIC ACID<

FISH 48H EC50 527 mg/l

FISH RAINBOW TROUT 96H LC50 368 mg/l

**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: 1824

ADR Class: 8

Packing group: II

Classification code: C5

Shipping name: SODIUM HYDROXIDE SOLUTION

Labelling: 8

Hazard ID no: 80

**IMDG / IMO**

UN no: 1824

Class: 8

Packing group: II

EmS: 8-06

Marine pollutant: NO

Labelling: 8

**IATA / ICAO**

UN no: 1824

Class: 8

Packing group: II

Packing instructions: 809(P&amp;CA); 813(PAO)

Labelling: 8

**15. REGULATORY INFORMATION**

Hazard symbols: Corrosive.



Risk phrases: R32: Contact with acids liberates very toxic gas.

R34: Causes burns.

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

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Haz. ingredients (label): &gt;SODIUM HYDROXIDE&lt;; &gt;STABILISED CHLORINE DIOXIDE&lt;

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

[cont...]

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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:** R35: Causes severe burns.

R41: Risk of serious damage to eyes.

R22: Harmful if swallowed.

R32: Contact with acids liberates very toxic gas.

R36/38: Irritating to eyes and 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.