

**SAFETY DATA SHEET**  
**MACHINE DISHWASH LIQUID**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name** MACHINE DISHWASH LIQUID  
**Product number** 314

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Auto Dish Wash Detergent

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Gillman's Commercial  
Mercia Road,  
St. Oswald's Road  
Gloucester  
GL1 2SG  
01452 509050

**1.4. Emergency telephone number** 01452 509050 or 07551 154 270

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification**

**Physical hazards**

Not Classified

**Health hazards**

Skin Corr. 1A - H314 Eye Irrit. 2 - H319 Carc. 2 - H351

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

C;R35.

**2.2. Label elements**

**Pictogram**



**Signal word**

Danger

**Hazard statements**

H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.

**Precautionary statements**

**MACHINE DISHWASH LIQUID**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- 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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see medical advice on this label).
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

**Contains**

SODIUM HYDROXIDE, NITRILIO TRIACETIC ACID, TRISODIUM SALT

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>SODIUM HYDROXIDE</b>	<b>10-30%</b>
<b>CAS number:</b> 1310-73-2	<b>EC number:</b> 215-185-5
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R35
<b>TETRASODIUM, ETHYLENEDIAMINETETRAACETATE</b>	<b>1-5%</b>
<b>CAS number:</b> —	<b>EC number:</b> 200-573-9
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/22. Xi;R38,R41.
<b>NITRILIO TRIACETIC ACID, TRISODIUM SALT</b>	<b>1-5%</b>
<b>CAS number:</b> 5064-31-3	<b>EC number:</b> 225-768-6
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351 Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Carc. Cat. 3;R40. Xi;R36/38.

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<b>AMINO-TRI(METHYLENE PHOSPHONIC ACID)</b>	<b>1-5%</b>
<b>CAS number:</b> 6419-19-8 <b>EC number:</b> 229-146-5	
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **Inhalation**

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

##### **Ingestion**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

##### **Skin contact**

Remove affected person from source of contamination. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.

##### **Eye contact**

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

##### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Unlikely to occur

##### **Ingestion**

May cause chemical burns in mouth, oesophagus and stomach.

##### **Skin contact**

May cause serious chemical burns to the skin.

##### **Eye contact**

May cause chemical eye burns.

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

##### **Hazardous combustion products**

Heating may generate the following products: Thermal decomposition or combustion products may include the following substances: Corrosive gases or vapours. Caustic Alkalies

#### 5.3. Advice for firefighters

##### **Protective actions during firefighting**

Avoid breathing fire gases or vapours.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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## Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

## 6.2. Environmental precautions

## 6.3. Methods and material for containment and cleaning up

### Methods for cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water.

## 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage class

Corrosive storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Ingredient comments

OES = Occupational Exposure Standard.

#### TETRASODIUM, ETHYLENEDIAMINETETRAACETATE

DNEL	Industry - Inhalation; Long term systemic effects: 2.5 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 1.5 mg/m <sup>3</sup> Industry - Oral; Long term systemic effects: 25 mg/kg/day
PNEC	Industry - (diethyl ether = 1); Long term 2.2 mg/l Industry - Marine water; Long term 0.22 mg/l Industry - Intermittent release; Long term 1.2 mg/l Industry - STP; Long term 43 mg/l Industry - Soil; Long term 0.72 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

The following protection should be worn: Full face visor or shield.

#### Hand protection

Use full length gloves.

#### Other skin and body protection

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Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Clear liquid. Yellow Liquid.

#### Relative density

1.150 - 1.170 @ 20°C

#### Solubility(ies)

Miscible with water.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Acids.

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Gives off Hydrogen by reaction with base metals such as zinc and aluminium. Exothermic reaction with water and with acids.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

#### Materials to avoid

Strong acids. Alkali metals.

### 10.6. Hazardous decomposition products

Irritating fumes carried by fire

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological effects

No information available.

#### Acute toxicity - oral

##### ATE oral (mg/kg)

17,857.14285714

#### Acute toxicity - inhalation

##### ATE inhalation (vapours mg/l)

392.85714286

#### Inhalation

No significant hazard at normal ambient temperatures. Heating may generate the following products: Corrosive gases or vapours.

#### Ingestion

Swallowing concentrated chemical may cause severe internal injury.

#### Skin contact

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Corrosive. Prolonged contact causes serious tissue damage.

### **Eye contact**

Causes severe burns.

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## **SECTION 12: Ecological Information**

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### **Ecotoxicity**

No negative effects on the aquatic environment are known.

### **12.1. Toxicity**

No information available

### **12.2. Persistence and degradability**

#### **Persistence and degradability**

The product contains mainly inorganic substances which are not biodegradable.

### **12.3. Bioaccumulative potential**

Not expected to bioaccumulate

### **12.4. Mobility in soil**

#### **Mobility**

The product is soluble in water.

### **12.5. Results of PBT and vPvB assessment**

### **12.6. Other adverse effects**

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## **SECTION 13: Disposal considerations**

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### **13.1. Waste treatment methods**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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## **SECTION 14: Transport information**

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### **14.1. UN number**

<b>UN No. (ADR/RID)</b>	1824
<b>UN No. (IMDG)</b>	1824
<b>UN No. (ICAO)</b>	1824

### **14.2. UN proper shipping name**

<b>Proper shipping name (ADR/RID)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (IMDG)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (ICAO)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (ADN)</b>	SODIUM HYDROXIDE SOLUTION

### **14.3. Transport hazard class(es)**

<b>ADR/RID class</b>	8
<b>ADR/RID label</b>	8
<b>IMDG class</b>	8
<b>ICAO class/division</b>	8

#### **Transport labels**

**MACHINE DISHWASH LIQUID****14.4. Packing group**

<b>ADR/RID packing group</b>	III
<b>IMDG packing group</b>	III
<b>ICAO packing group</b>	III

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

<b>Emergency Action Code</b>	2X
<b>Hazard Identification Number (ADR/RID)</b>	80
<b>Tunnel restriction code</b>	(E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical safety assessment****SECTION 16: Other information****General information**

This information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application. This document is not a specification. Conforms to 1907/2006/EC

<b>Revision date</b>	31/03/2015
<b>Revision</b>	01
<b>SDS number</b>	314

**Risk phrases in full**

R20/22 Harmful by inhalation and if swallowed.  
 R22 Harmful if swallowed.  
 R35 Causes severe burns.  
 R36 Irritating to eyes.  
 R36/38 Irritating to eyes and skin.  
 R38 Irritating to skin.  
 R40 Limited evidence of a carcinogenic effect.  
 R41 Risk of serious damage to eyes.

**Hazard statements in full**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H351 Suspected of causing cancer.