SAFETY DATA SHEET
Cleanline Auto Dishwash Detergent

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

1.1. Product identifier

Product name: Cleanline Auto Dishwash Detergent
Product number: 800-234-4001
Container size: 20 litres

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

Identified uses: Machine dishwashing detergent.
Uses advised against: DO NOT use for hand dishwashing.

1.3. Details of the supplier of the safety data sheet

Supplier: COVENTRY CHEMICALS LTD
WOODHAMS RD
SISKIN DRIVE
COVENTRY
CV3 4FX
Tel: +44 (0) 02476639739
Fax: +44 (0) 02476639717
Email: sales@coventrychemicals.com

Contact person: For content of safety data sheet: sds@coventrychemicals.com

1.4. Emergency telephone number

Emergency telephone: +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification
Physical hazards: Not Classified
Health hazards: Skin Corr. 1A - H314
Environmental hazards: Not Classified

Classification (67/548/EEC or 1999/45/EC): C;R35.

2.2. Label elements

Pictogram
Cleanline Auto Dishwash Detergent

Signal word
Danger

Hazard statements
H314 Causes severe skin burns and eye damage.

Precautionary statements
P260 Do not breathe vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with national regulations.
P337+P313 If eye irritation persists: Get medical advice/attention.

Contains
SODIUM HYDROXIDE, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</td>
<td>1-5%</td>
<td>64-02-8</td>
<td>200-573-9</td>
<td>01-2119486762-27-XXXX</td>
<td>Acute Tox. 4 - H302</td>
</tr>
<tr>
<td>TRISODIUM NITRILOTRIACETATE</td>
<td>&lt;1%</td>
<td>5064-31-3</td>
<td>225-768-6</td>
<td>01-2119519239-36-XXXX</td>
<td>Carc. Cat. 3;R40 Xn;R22 Xi;R36</td>
</tr>
</tbody>
</table>

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

General information
SPEED IS ESSENTIAL. OBTAIN IMMEDIATE MEDICAL ATTENTION. Showers and eye washing equipment must be provided at handling points.
Cleanline Auto Dishwash Detergent

Inhalation
Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately. For breathing difficulties, oxygen may be necessary.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.

Skin contact
Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

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. Chemical burns must be treated by a physician. Get medical attention immediately.

Inhalation
Severe irritation of nose and throat. May cause an asthma-like shortness of breath.

Ingestion
Will immediately cause corrosion of, and damage to, the gastrointestinal tract.

Skin contact
May cause serious chemical burns to the skin.

Eye contact
May cause severe inflammation, corneal ulcers and permanent impairment of vision.

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

Notes for the doctor
Remove contaminated clothing and wash all affected areas with plenty of water. Symptomatic treatment and supportive therapy as indicated.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Contact with some metals eg. aluminium, zinc can produce flammable hydrogen-gas. Exothermic reaction with water.

5.3. Advice for firefighters

Protective actions during firefighting
Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions
Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up
Cleanline Auto Dishwash Detergent

Methods for cleaning up
Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections
Reference to other sections
For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Avoid spilling. Avoid contact with skin and eyes. Avoid the formation of mists. Provide adequate ventilation. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute by carefully pouring the product into water.

Advice on general occupational hygiene
Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Store in tightly-closed, original container in a well-ventilated place. Store away from the following materials: Acids.

Storage class
Corrosive storage.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

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/m³
WEL = Workplace Exposure Limit

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL
Industry - Inhalation; Long term local effects: 1.0 mg/m³
Consumer - Inhalation; Long term local effects: 1.0 mg/m³

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL
General population - Oral; Long term systemic effects: 25 mg/kg/day
General population - Inhalation; Long term local effects: 0.6 mg/m³
General population - Inhalation; Short term local effects: 1.2 mg/m³
Workers - Inhalation; Long term local effects: 1.5 mg/m³
Workers - Inhalation; Short term local effects: 3 mg/m³
Cleanline Auto Dishwash Detergent

PNEC
- Fresh water;  2.2 mg/l
- Marine water;  0.22 mg/l
- Intermittent release;  1.2 mg/l
- STP;  43 mg/l
- Soil;  0.72 mg/kg

8.2. Exposure controls

Protective equipment

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Provide eyewash station and safety shower. 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.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P2. Particulate filters should comply with European Standard EN143.

Environmental exposure controls
Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Colourless.

Odour
No characteristic odour.

Odour threshold
Not applicable.

pH
pH (concentrated solution): >13.5

Melting point
Not applicable.

Initial boiling point and range
Not applicable.

Flash point
Not applicable.

Evaporation rate
Not determined.

Evaporation factor
Not applicable.

Vapour pressure
Not determined.

Vapour density
Not determined.

Relative density
1.185 typically @ @ 20°C
Cleanline Auto Dishwash Detergent

**Bulk density**
Not applicable.

**Solubility(ies)**
Soluble in water.

**Auto-ignition temperature**
Not applicable.

**Decomposition Temperature**
Not applicable.

**Viscosity**
Not determined.

**Explosive properties**
Not applicable.

**Explosive under the influence of a flame**
Not considered to be explosive.

**Oxidising properties**
Not applicable.

**Comments**
Information given is applicable to the product as supplied.

**9.2. Other information**
Not relevant.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**
Reactivity
Reactions with the following materials may generate heat: Water. Strong acids. Highly reactive with aluminium, tin, zinc and alloys of these metals producing flammable hydrogen gas.

**10.2. Chemical stability**
Stability
Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**
Possibility of hazardous reactions
Can react violently if in contact with acids and chloro-hydrocarbons. Exothermic reaction with water.

**10.4. Conditions to avoid**
Conditions to avoid
Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**
Materials to avoid

**10.6. Hazardous decomposition products**
Hazardous decomposition products
Hydrogen.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**
Toxicological effects
No information available.

Other health effects
There is no evidence that the product can cause cancer.

Acute toxicity - oral
ATE oral (mg/kg) 12,218.16704156

General information
Danger of very serious irreversible effects in contact with skin, in contact with eyes and if swallowed.
Cleanline Auto Dishwash Detergent

Inhalation
Spray/mists may cause respiratory tract irritation. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion
May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact
May cause serious chemical burns to the skin. Repeated exposure may cause skin dryness or cracking.

Eye contact
Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

### SECTION 12: Ecological Information

#### Ecotoxicity
There are no data on the ecotoxicity of this product.

12.1. Toxicity

**Toxicity**
Concentrations greater than 10ppm or pH value greater than 10.5 may be fatal to fish and other aquatic organisms.

**Acute toxicity - aquatic plants**
Can cause damage to aquatic plants.

**Acute toxicity - terrestrial**
Can cause damage to vegetation.

12.2. Persistence and degradability

**Persistence and degradability**
Degradates readily by reaction with the natural carbon dioxide in the air.

12.3. Bioaccumulative potential

**Bioaccumulative potential**
The product is not bioaccumulating.

12.4. Mobility in soil

**Mobility**
The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**
This product does not contain any substances classified as PBT or vPvB.

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

**General information**
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods**
Dispose of via an authorised and appropriately licensed waste contractor. Packaging is recyclable. Wash out containers with water before disposal.

**Waste class**
EWC Code: 06 02 04

### SECTION 14: Transport information

14.1. UN number

**UN No. (ADR/RID)** 1824

**UN No. (IMDG)** 1824

**UN No. (ICAO)** 1824
Cleanline Auto Dishwash Detergent

14.2. UN proper shipping name
Proper shipping name (ADR/RID)  SODIUM HYDROXIDE SOLUTION
Proper shipping name (IMDG)  SODIUM HYDROXIDE SOLUTION
Proper shipping name (ICAO)  SODIUM HYDROXIDE SOLUTION
Proper shipping name (ADN)  SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)
ADR/RID class  8
ADR/RID subsidiary risk  8
IMDG class  8
IMDG subsidiary risk
ICAO class/division  8
ICAO subsidiary risk

Transport labels

14.4. Packing group
ADR/RID packing group  II
IMDG packing group  II
ICAO packing group  II

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
EmS  F-A, S-B
Emergency Action Code  2R
Hazard Identification Number (ADR/RID)  80

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
Cleanline Auto Dishwash Detergent

**National regulations**
- Control of Pollution (Special Waste) Regulations 1980 (as amended).
- The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
- EH40/2005 Workplace exposure limits.

**EU legislation**
- Waste Material Code 91/689/EEC

**Guidance**
- COSHH Essentials.
- ECHA Guidance on the Application of the CLP Criteria.
- ECHA Guidance on the compilation of safety data sheets.
- Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**
A Chemical Safety Assessment (CSA) has been completed for Sodium hydroxide. Currently we do not have information from our suppliers about this.

**SECTION 16: Other information**

**Abbreviations and acronyms used in the safety data sheet**
- STOT Specific Target Organ Toxicity
- PBT Persistant Bio-accumulative and Toxic
- vPvB very Persistent, very Bio-accumulative
- EWC European Waste Catalogue
- PNEC Predicted No Effect Concentration
- DNEL Derived No Effect Level

**General information**
Only trained personnel should use this material.

**Revision date**
21/04/2015

**Revision**
1

**Supersedes date**
18/07/2011

**SDS number**
20508

**Risk phrases in full**
- R22 Harmful if swallowed.
- R35 Causes severe burns.
- R41 Risk of serious damage to eyes.
Cleanline Auto Dishwash Detergent

**Hazard statements in full**

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H351 Suspected of causing cancer.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.