

## DEOSCALE

### 1. IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: Deoscale  
Supplier: Stanbridge Limited  
Beaumont House  
Cray Valley Road  
Orpington  
BR5 2UB

### 2. HAZARD IDENTIFICATION

- **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]  
Acute. Tox. 4 – Inha, H332  
Rep Tox 2, H361d  
Eye. Irrit. 2, H319  
Skin. Irrit. 2, H315

- **Label elements**

*Signal Word:*  
WARNING

*Hazard Pictograms:*



*Hazard Statements:*

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful inhaled.  
H361d Suspected of damaging the unborn child.

*Precautionary Statements:*

**Disposal**

P501 Dispose of contents/container to licensed waste disposal site.

**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash...thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P337 + P313 If eye irritation persists: Get medical advice/attention.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.

- **Other hazards**

EUH none                      None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Mixtures**

<u>Substance Name:</u>	<u>REACH Reg. No:</u>	<u>CAS-No:</u>	<u>EC-No:</u>	<u>Amount [%]:</u>
Pentasodium Diethylenetriaminepentaacetate	01-2119474445-33	140-01-2	205-391-3	15-30

<u>Hazard Class:</u>	<u>Hazard Category:</u>	<u>Hazard Statements:</u>
Reproductive toxicant	Rep Tox 2	H361d
Acute toxicity	Acute. Tox. 4 – Inha	H332

<u>Substance Name:</u>	<u>REACH Reg. No:</u>	<u>CAS-No:</u>	<u>EC-No:</u>	<u>Amount [%]:</u>
Sodium Hydroxide	011-002-00-6	1310-73-2	215-185-5	<5

<u>Hazard Class:</u>	<u>Hazard Category:</u>	<u>Hazard Statements:</u>
Skin corrosion/irritation	Skin. Corr. 1A B C	H314
Serious eye damage/irritation	Eye. Dam. 1	H318
Corrosive to metals	Met. Corr. 1	H290

### 4. FIRST AID MEASURES

- **Description of first aid measures**

**General Advice**

Remove contaminated clothing and wash off skin/eyes immediately.

**After inhalation**

Ensure supply of fresh air and seek medical attention.

**After contact with skin**

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

**After contact with eyes**

Irrigate with water for 10 to 15 minutes until irritation subsides and seek medical attention.

**After ingestion**

If conscious, give plenty of water to drink, do not induce vomiting, and obtain medical attention immediately.

- **Most important symptoms and effects, both acute and delayed**

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

- **Indication of any immediate medical attention and special treatment needed.**

Use water to neutralize product in the case of skin, eye contact or ingestion.

### 5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** This product is not flammable. Use fire extinguishing media appropriate for surrounding area.
- **Unsuitable extinguishing media:** Not applicable.
- **Special hazards arising from the substance or mixture**  
May produce oxides of carbon, nitrogen, sodium and sulphur.
- **Advice for Fire Fighters**  
Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

## 6. ACCIDENTAL RELEASE MEAS

- **Personal precautions, protective equipment and emergency procedures**  
Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.
- **Environmental precaution**  
Do not allow to enter surface water drains, soil/subsoil.
- **Methods and material for containment and cleaning up**  
Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.
- **Reference to Other Sections:** See Section 8 and 13 for more information on exposure and disposal.

## 7. HANDLING AND STORAGE

- **Precautions for safe handling**  
Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.
- **Conditions for safe storage, including any incompatibilities**  
Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.
- **Specific end use(s)**  
Use only as directed on the container or label.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control parameters**  
(Sodium Hydroxide) OES: TWA 9 hours-STEEL 15 mins 2mg/m<sup>3</sup>.
- **Exposure Controls**  
Do not eat, drink or smoke whilst working and wash hands after use.  
**Exposure Controls – Eyes:** Avoid contact with eyes. Wear suitable eye protection if appropriate.  
**Exposure Controls – Skin:** Wear vinyl, latex or nitrile gloves.  
**Exposure Controls – Respiratory:** Avoid inhaling dust from dried material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**  
**Appearance/Odour:** Pale straw odourless liquid. (Method: QP22)  
**pH (10% soln.):** >13 (Method: QP03)  
**Melting/freezing point:** 0°C  
**Flammable/Flash Point:** Not Flammable  
**Relative density:** 1.1 g/cm<sup>3</sup> @ 20°C (Method: QP07)  
**Solubility:** Soluble/dispersible in water  
**Viscosity:** As Water @ 20°C (Method: QP04)  
**Oxidising properties:** Not applicable.  
**Explosive properties:** Not applicable.
- **Other information** No information available

## 10. STABILITY AND REACTIVITY

- **Reactivity:** Gives off hydrogen by reaction with base metals (zinc, aluminium).
- **Chemical Stability:** No decomposition if stored and applied as directed.
- **Hazardous Reactions:** Exothermic reaction with strong acids. Gives off hydrogen by reaction with base metals (zinc, aluminium). Risk of explosion.
- **Hazardous Decomposition Products:** Contact with aluminium may produce flammable hydrogen.
- **Conditions to Avoid:** No information available.
- **Incompatible Materials:** Acids, light metals, aluminium and zinc, organic peroxides.

## 11. TOXICOLOGICAL INFORMATION

### Substance:

Pentasodium  
Diethylenetriamine-  
pentaacetate

### Toxicity:

Information on toxicological effects  
Acute toxicity – inhalation  
ATE inhalation (gases ppm) 17,482.52  
ATE inhalation (vapours mg/l) 42.74  
ATE inhalation (dusts/mists mg/l)  
5.83  
Reproductive toxicity  
Reproductive toxicity – fertility contains a substance/a  
group of substance which may damage the unborn child.  
Inhalation gas or vapour in high concentrations may  
irritate the respiratory system.  
Ingestion may cause severe internal injury.  
Skin contact irritating to skin.  
Eye contact irritating to eyes.

### **Sodium Hydroxide**

Toxicological Data: Estimated fatal dose 5.0 grams.  
Inhalation: Dust from dried product may cause lung  
damage/  
Skin Contact: Will cause severe burns.  
Eye Contact: Will cause injury with possible LOSS OF  
SIGHT.

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may present below its concentration limit and represent no toxicity in the mixture as a whole.

## 12. ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

### Substance:

Pentasodium  
Diethylenetriamine-  
pentaacetate

### Toxicity:

Ecotoxicity:  
The product components are not classified as environmentally  
hazardous. However, this does not exclude the possibility that  
large or frequent spills can have harmful or damaging effect on  
the environment.

### **Toxicity**

Acute fish toxicity.  
Not considered toxic to fish.

### **Persistence and degradability**

#### **Degradability:**

There are no data on the degradability of this product.

#### **Bioaccumulative potential:**

The product does not contain any substances expected to be  
Bioaccumulating.

#### **Mobility in soil**

#### **Mobility:**

The product is soluble in water.

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

This product does not contain any PBT or vPvB substances.

#### **Other adverse effects**

Not determined.

## Sodium Hydroxide

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effects on the environment.

### Toxicity:

LC 50, 96 Hrs, FISH mg/l 55.6

EC 50, 48 Hrs, DAPHNIA, mg/l 156

### Persistence and degradability:

The product is expected to be biodegradable.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

When disposing of surplus or waste product, use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

## 14. TRANSPORT INFORMATION

UN number:	N/A
Shipping name:	Stanbridge DeoScaLe Machine Washed Utensil Protection
Transport hazard class:	None
Packing group:	N/A
Environmental hazards:	None
Special precautions for user:	No information
Transport in bulk according to annex II of Marpol 73/78 and the IBC code:	No information.

## 15. REGULATORY INFORMATION

- **Safety, health and environment regulation/legislation specific to the substance or mixture.**

EU Legislation.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commissioning Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments.

### Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014).

- **Chemical safety assessment**

No information.

## 16. OTHER INFORMATION

*Full text of H-Statements referred to under section 3.*

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H290	May be corrosive to metals.
H361D	Suspected of damaging the unborn child.

Contains: Sodium Hydroxide.

*Directions:*

High effective in the removal of organic and inorganic soils.  
Safe to use on plastics and stainless steel.  
Stops limescale build up in machines.  
If used at a strong concentration it can remove limescale over a period of time.  
Stops nasty odours associated with sluice rooms.  
Leaves stainless steel utensils sparkling.

Deoscale has been designed for use in automatic bedpan washers at temperatures of up to 90°C and at concentrations in range from 1.0 to 5.0% by volume, according to the make and model of the machine.

Firm recommendations are best made by Stanbridge after assessment of the individual conditions and application requirements.

Use through Stanbridge automatic dosing systems.

GLOSSARY: PPE: Personal protective equipment. N/A: Not applicable. N/K: Not known. OES: Occupational exposure limit.  
TWA: Time weighted average. W/V: Weight to volume

The date contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

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