

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

**Product Name:** DISHWASH A/S  
**Product Code/s:** 0101-0010  
**Product Use:** Aluminium Safe Dishmachine and Traywashing Detergent

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

**Identified uses:** Dishwashing / Traywashing product. Automatic process.  
**Uses advised against:** Uses other than those identified are not recommended.

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

**Supplier** Advantage Chemicals Institutional Ltd  
Unit 9 Strensham Business Park,  
Strensham,  
Worcestershire WR8 9JZ  
Tel: 01684 273299 Web: [www.advchem.co.uk](http://www.advchem.co.uk) Email: [sales@advchem.co.uk](mailto:sales@advchem.co.uk)

**1.4 Emergency telephone number**

**Emergency advice** Technical Information & Safety Data Sheets - 01684 273299, Monday - Friday 8.30am - 5.00pm  
Available 24/7 from our website: [www.advchem.co.uk](http://www.advchem.co.uk)

**SECTION 2. Hazards identification****2.1 Classification of the substance or mixture**

The product has been classified and labelled in accordance with **Regulation (EC) No 1272/2008 [EU-GHS/CLP]**.

**Classification**

**Physical Hazards:** Not classified  
**Health Hazards:** Eye Irrit. 2 - H319 Skin Irrit. 2 - H315  
**Environmental Hazards:** Not classified

**2.2 Label elements**

**Pictogram:**



**Signal Word:** **Warning**

**Hazard Statements** H315 Causes skin irritation  
H319 Causes serious eye irritation

**Precautionary Statements** P102 Keep out of reach of children  
P280 Wear protective gloves/ eye protection.  
R301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local regulations.

**Contains:** SODIUM METASILICATE

**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

Ingredient	EC number	CAS number	Classification (EC) 1272/2008	Weight %
CHELATE - PHOSPHONATE SALT	223-267-7	3794-83-0	Eye Irrit. 2 - H319; Skin Irrit. 2 - H315	1-10%
SODIUM METASILICATE	229-912-9	6834-92-0	Skin Corr. 1B - H314 STOT SE 3 - H315	1-10%
SODIUM CARBONATE	207-838-8	497-19-8	Eye Irrit. 2 - H319	1-10%
TETRAPOTASSIUM PYROPHOSPHATE	230-785-7	7320-34-5	Eye Irrit. 2 - H319	< 1%

The full text for all Hazard and Precautionary Statements are displayed in Section 16.

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Unlikely route of exposure as the product does not contain any volatile substances. If spray/mist has been inhaled, proceed as follows - move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

#### Skin contact

Remove all contaminated clothing & footwear immediately unless stuck to skin. Wash immediately with soap and water.

#### Eye contact

Rinse immediately with plenty of water for 15 minutes. Remove any contact lenses and open eye lids wide apart. Consult a doctor.

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

#### General information

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

#### Inhalation

There may be irritation of throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

#### Ingestion

There may be irritation and redness of the mouth and throat.

#### Skin contact

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

#### Eye contact

There may be irritation and redness. The eyes may water profusely.

#### Immediate effects

Immediate effects can be expected after short-term exposure.

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

#### Immediate / special treatment:

Eye bathing equipment should be available on the premises.

## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

Product is not flammable. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

In combustion emits toxic fumes.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus (SCBA) and suitable protective clothing to prevent contact with skin and eyes.

## SECTION 6. Accidental release measures

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

Notify the police and fire brigade immediately. 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 this SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### **6.2 Environmental precautions**

Do not discharge into drains or rivers. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Contain the spillage with bunding.

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

Small spillages: Flush away spillage with plenty of water to clean spillage area.

Large Spillages: Contain and absorb spillage with sand, earth or other non - combustible material. Collect and place in suitable waste disposal containers and seal securely.

### **6.4 Reference to other sections**

For personal protection see section 8.

For disposal considerations see section 13.

## SECTION 7. Handling and storage

### **7.1 Precautions for safe handling**

#### **Usage procedures**

Wear protective clothing, gloves, eye and face protection. Do not handle broken packages without protective equipment. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

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

#### **Storage precautions**

Store in a tightly closed original container, in a dry, cool and well ventilated place.

### **7.3 Specific end use(s)**

#### **Specific end uses**

The identified uses for this product are detailed in Section 1.2.

#### **Usage description**

See Product Information Sheet & Label for detailed use of this product.

## SECTION 8. Exposure controls/personal protection

### **8.1 Control parameters**

#### **Occupational Exposure Limits**

Product does not have any WEL assigned.

### **8.2 Exposure Controls**

#### **Protective Equipment**



#### **Appropriate engineering controls**

Ensure there is sufficient ventilation of the area.

#### **Eye/face protection**

The following protection should be worn: Safety glasses. Ensure eye bath is to hand.

#### **Hand protection**

Wear protective impermeable gloves.

#### **Other skin and body protection**

Wear suitable protective clothing as protection against splashing or contamination.

#### **Respiratory protection**

Respiratory protection not required. Self contained breathing apparatus must be available in case of emergency.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State</b>	<b>Sg</b>	<b>Odour</b>
Liquid.	1.1 +/- 0.5	Barely perceptible odour.
<b>Colour</b>	<b>Solubility in water</b>	<b>pH (conc)</b>
Colourless to pale straw.	Miscible	12.0

### 9.2 Other Information

None.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

No particular stability concerns.

### 10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 and 10.5

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Strong acids & oxidising substances.

### 10.6 Hazardous decomposition products

In combustion emits toxic fumes.

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

CHELATE	DERMAL	RAT	LD50	>5000 mg/kg
	ORAL	RAT	LD50	>2850 mg/kg
DISODIUM METASILICATE	ORAL	MUS	LD50	770 mg/kg
	ORAL	RAT	LD50	1153 mg/kg
SODIUM CARBONATE	ORAL	MUS	LD50	6600 mg/kg
	ORAL	RAT	LD50	4090 mg/kg
	SCU	MUS	LD50	2210 mg/kg
TETRAPOTASSIUM PYROPHOSPHATE	ORAL	RAT	LD50	>2000 mg/kg

## SECTION 12. Ecological information

### 12.1 Toxicity

#### Hazardous ingredients

##### CHELATE

Daphnia magna                      48H EC50                      527 mg/litre

##### SODIUM CARBONATE

RAT                                      96H LC50                      2800 mg/litre

##### TETRAPOTASSIUM PYROPHOSPHATE

Daphnia magna                      48H EC50                      527 mg/litre

### 12.2 Persistence and degradability

The product is expected to be biodegradable.

### 12.3 Bioaccumulative potential

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

### 12.4 Mobility in soil

Readily absorbed into soil.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Negligible Ecotoxicity.

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

<b>Disposal operations</b>	Discharge used solutions to drain. Do not mix with other chemicals. Rinse out empty container with water and consign to normal waste.
<b>Disposal of packaging</b>	Arrange for disposal by specialist disposal company.
<b>NB</b>	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14. Transport information

**General** This product is not classified for transport

### 14.1 UN number

### 14.1 UN number

UN No. (ADR/RID)

UN No. (IMDG)

UN No. (ICAO)

### 14.2 UN proper shipping name

Proper shipping name (ADR/RID)

Proper shipping name (IMDG)

Proper shipping name (ICAO)

Proper shipping name (ADN)

### 14.3 Transport hazard class(es)

ADR/RID Class

IMDG Class

ICAO Class/Division

Transport Labels

### 14.4 Packing Group

ADR/RID Packing group

IMDG Packing group

ICAO Packing group

### 14.5 Environmental Hazards

Environmentally hazardous substance: No

Marine pollutant: No

### 14.6 Special precautions for user

Special Precautions None

Hazard Identification No (ADR/RID)

Tunnel restriction code

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant for a packaged product.

## SECTION 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.

#### Guidance

Workplace Exposure Limits EH40

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16. Other information

### Key literature references and sources for data

Miscellaneous Material Safety Data Sheets from manufacturers.  
GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.  
ECHA - C&L Inventory database.

### Revision Comments

**Revision Date** 29/10/2014 (Compilation date)

**Revision** Issue 1 - No previous validation

**SDS Status** The Hazard statements listed below in this section 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the finished product itself. For the Hazard Statements relating to this product see section 3.

**Hazard Statements in full** H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### Abbreviations and acronyms

ADN	= European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR	= The European Agreement concerning the International Carriage of Dangerous Goods by Road
AISE	= The International Association for Soaps, Detergents and Maintenance Products
Bw	= Body weight
cc	= Closed cup
CLP	= Classification, Labelling and Packaging Regulation
DNEL	= Derived no effect limit
DPD	= Dangerous preparations directive
DRM	= Dermal
dw	= Dry weight
EC50	= Median effective concentration
EUH statement	= CLP - specific hazard statement
GPG	= Guinea Pig
HAM	= Hamster
HMN	= Human
IATA	= International Air Transport Association
IBC	= Intermediate Bulk Container
IMDG	= International Maritime Dangerous Goods
IVN	= Intravenous
LC50	= Median lethal concentration
LD50	= Median lethal dose
LogPow	= logarithm of the octanol/water partition coefficient
MAM	= Mammal
MARPOL 73/78	= International Convention for the Prevention of Pollution From Ships, 1973 as modified in 1978. (Marpol - marine pollution)
MUS	= Mouse
oc	= Open cup
OCC	= Ocular/corneal
PCP	= Physico-chemical properties
PBT	= Persistent, Bioaccumulative and Toxic
PGN	= Pigeon
PNEC	= Predicted No Effect Concentration
RID	= The Regulations concerning the International Carriage of Dangerous Goods by Rail

#### Disclaimer

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