

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

**Product Name:** BATHROOM CLEANER CONCENTRATE  
**Product Code/s:** 0262-02x5  
**Product Use:** Bathroom cleaner & disinfectant.

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

**Identified uses:** Bathroom cleaner. Manual 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:** Skin Irrit. 2 - H315; Eye Dam. 1 - H318  
**Environmental Hazards:** Aquatic Chronic 3 - H412

#### 2.2 Label elements

**Pictogram:**



**Signal Word:** **Danger**

**Hazard Statements**  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.

#### Precautionary Statements

P102 Keep out of reach of children.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 R302 + P352 IF ON SKIN: Wash with plenty of 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.  
 P313 Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local regulations.

#### 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 %
C9-11 ALCOHOL ETHOXYLATE WITH 6.5M ETHYLENE OXIDE		68439-46-3	Acute Tox. 4 - H302; Eye Dam. 1 - H318	5-10%
ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT	200-573-9	64-02-8	Acute Tox. 4 - H302; Eye Dam. 1 - H318; Acute Tox. 4 - H332	1-5%
SODIUM METASILICATE PENTAHYDRATE	229-912-9	10213-79-3	Met Corr. 1 - H290; Skin Corr. 1B - H314; Eye Dam. 1 - H318; STOT SE 3 - H335	1-5%
ALKYL DIMETHYL AMINE OXIDE	931-292-6	308062-28-4	Acute Tox. 4 - H302; Acute Tox. 4 - H312; Skin Corr. 1B - H314; Eye Dam. 1 - H318; Aquatic Acute 1 - H400	1-5%
SODIUM HYDROXIDE	215-185-5	1310-73-2	Met Corr. 1 - H290; Skin Corr. 1A - H314; Eye Dam. 1 - H318	<1%
ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE	270-325-2	6824-85-1	Acute Tox. 4 - H302; Acute Tox. 4 - H312; Skin Corr. 1B - H314; Eye Dam. 1 - H318; Aquatic Acute 1 - H400	<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

Remove affected person to fresh air ensuring one's own safety whilst doing so. Get medical attention if any discomfort continues.

#### Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately. Show this Safety Data Sheet to medical personnel.

#### Skin contact

Remove all contaminated clothing immediately and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

#### Eye contact

Rinse immediately with plenty of water for 15 minutes. Remove any contact lenses and open eye lids wide apart. Transfer to hospital for specialist examination.

### 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

Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the nose and throat.

#### Ingestion

Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, irritation of the mouth, throat and GI tract may occur. If dilute chemical is ingested there may be soreness of the mouth, throat and GI tract.

#### Skin contact

Prolonged or repeated contact may cause skin irritation and redness.

#### Eye contact

May result in permanent damage.

### 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 combustible. 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

When heated or in a fire - irritating gases or vapours may be formed.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus (SCBA) and suitable protective clothing.

## SECTION 6. Accidental release measures

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

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.

### 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

SODIUM HYDROXIDE

Short term exposure limit (15 minutes): Workplace Exposure Limit (WEL) - 2 mg/m<sup>3</sup>.

#### Ingredient comments

DNEL and/or PNEC information is supplied by manufacturers of substances in accordance with REACH legislation (Regulation (EC) No 1907/2006), and is used to provide suitable risk reduction measures to limit exposure of the user of the substance to a non hazardous level. If the measured level of exposure by a route divided by the DNEL for the route is greater than 1, then further exposure controls should be implemented as described in section 8.2. Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

#### SODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 6.22 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 1.49 mg/kg bw/day Consumer - Oral; Long term systemic effects: 0.74 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 1.55 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 0.74 mg/kg bw/day
<b>PNEC</b>	- Fresh water; 7.5 mg/l - Marine water; 1 mg/l - Intermittent release; 7.5 mg/l

#### SODIUM HYDROXIDE (CAS:1310-73-2)

<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 1.0 mg/m <sup>3</sup> Industry - Dermal; Short term local effects: 2% DNEL data for professional users is not yet available, but it is assumed to be the same as for Industrial users.
<b>PNEC</b>	No information is available for PNEC data for Sodium Hydroxide.

## SECTION 8. Exposure controls/personal protection (continued)

### ALKYL DIMETHYL AMINE OXIDE (CAS: 308062-28-4)

**DNEL** Professional - Dermal; Long term systemic effects: 11 mg/kg/day  
Professional - Inhalation; Long term systemic effects: 15.5 mg/m<sup>3</sup> 8h  
Professional - Dermal; Long term local effects: 0.27%  
General Population - Dermal; Long term systemic effects: 5.5 mg/kg/day  
General Population - Inhalation; Long term systemic effects: 3.8 mg/m<sup>3</sup>  
General Population - Oral; Long term systemic effects: 0.44 mg/kg/day

**PNEC** - Fresh water; 0.0335 mg/l  
- Marine water; 0.00335 mg/l  
- Intermittent release; 0.0335 mg/l  
- STP; 24 mg/l  
- Soil; 1.02 mg/l  
- Sediment; (Freshwater) 1.02 mg/kg  
- Sediment; (Marinewater) 24 mg/kg

## 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 when using concentrate: Chemical splash goggles or face shield. 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 unless the general level exceeds the Workplace Exposure Limit.

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>pH (conc)</b>	<b>Odour</b>
Liquid.	> 11	Lemon.
<b>Colour</b>	<b>Relative Density</b>	<b>Solubility in water</b>
Pink.	1.025 - 1.035	Soluble

### 9.2 Other Information

None.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions.

### 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

Excessive heat for prolonged periods of time.

### 10.5 Incompatible materials

Strong acids & bleach.

### 10.6 Hazardous decomposition products

Does not decompose when stored and used as recommended.

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

#### **Acute toxicity - oral**

ATE oral (mg/kg) 4,567.54

#### **Acute toxicity - dermal**

ATE dermal (mg/kg) 104,697.99

#### **Acute toxicity - inhalation (dusts/mists mg/l)**

ATE inhalation (mg/l) 43.24

## SECTION 12. Ecological information

### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

### 12.1 Toxicity

### 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

Not determined.

## 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

This product is not classified under the transport regulations

### 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** 10/11/2014 (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** H290 May be corrosive to metals  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### 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

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, express or implied, is made as to the completeness or continuing accuracy of this information. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.