

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

**Product Name:** GLASS CLEANER CONCENTRATE  
**Product Code/s:** 0260-02x5  
**Product Use:** Glass, window, mirror cleaner

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

**Identified uses:** Glass cleaning product. 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 Irrit. 2 - H319  
**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.  
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.  
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 %
DIPROPYLENE GLYCOL METHYL ETHER	252-104-2	34590-94-8	Not classified	30 – 60%
2-BUTOXYETHANOL	203-905-0	111-76-2	Acute Tox. 4 - H302; Acute Tox. 4 - H312 Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	10 - 30%

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

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. 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 the medical personnel.

#### Skin contact

Wash skin immediately 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. Get medical attention.

### 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.

#### Ingestion

Unlikely route of exposure without deliberate misuse. There may be irritation of the throat.

#### Skin contact

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

#### Eye contact

There may be irritation and redness.

#### 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 non-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

Product is non-combustible. If heated, irritating vapours may be formed.

### 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. Turn leaking containers leak-side up to prevent the escape of liquid.

### **6.2 Environmental precautions**

Do not discharge into drains or rivers. Uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency. 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**

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, below 40°C.

### **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**

DIPROPYLENE GLYCOL METHYL ETHER (DPM)

Long term exposure limit (8 Hour TWA ): Workplace Exposure Limit (WEL) - 308 mg/m<sup>3</sup>.

2-BUTOXYETHANOL

Short term exposure limit (15 minutes - EU): Workplace Exposure Limit (WEL) - 50 ppm.

### **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, but respiratory protection must be used if level exceeds 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>Flash Point</b>	<b>Odour</b>
Liquid.	None	Solvent.
<b>Colour</b>	<b>Solubility in water</b>	<b>pH (conc)</b>
Blue.	Soluble	6 - 9

### 9.2 Other Information

None.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as directed..

### 10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 and 10.5

### 10.4 Conditions to avoid

Excessive Heat.

### 10.5 Incompatible materials

Strong acids & oxidising substances.

### 10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

<b>Acute toxicity - oral</b>	ATE oral	13,000.0	Mg/kg
<b>Acute toxicity - dermal</b>	ATE dermal	11,000.0	Mg/kg
<b>Acute toxicity - inhalation (vapours)</b>	ATE inhalation	110.0	Mg/l

## SECTION 12. Ecological information

### Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a damaging effect on the environment.

### 12.1 Toxicity

### 12.2 Persistence and degradability

The surfactants used in this preparation comply with the biodegradability criteria laid down in the European Detergents Regulation No 648/2004 as amended.

### 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

**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** 24/05/2015 (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** H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

### 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.