



## SAFETY DATA SHEET ALKLEEN

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

#### 1.1. Product identifier

**Product name** ALKLEEN

**Product number** A250

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

**Identified uses** A versatile universal alkaline cleaner, which is highly effective for spray cleaning of hard floors which do not respond to neutral maintainers. Alkleen can also be used on all hard surfaces such as plastics, laminates, concrete, linoleum and any surface not harmed by water.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** www.prochem.co.uk  
Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** 020 8974 1515 (office hours 8am to 5pm Monday to Friday) 24 hr emergency number +44 1235 239670. Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held. For Republic of Ireland contact the NPIC: 01 837 9964 or 01 809 2566.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Eye Irrit. 2 - H319

**Environmental hazards** Not Classified

**Human health** Causes serious eye irritation. Splashes in the eyes may cause redness and irritation. Profuse watering of the eyes. Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Possible respiratory irritation by wetting agents in atomised spray form. Product is alkaline and may be mildly corrosive to mucous membranes. Ingestion may cause: Gastrointestinal symptoms, including upset stomach. nausea

**Environmental** The product is expected to be biodegradable.

#### 2.2. Label elements

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## Hazard pictograms



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H319 Causes serious eye irritation.
<b>Precautionary statements</b>	P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Detergent labelling</b>	< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, < 5% phosphates, Contains d-Limonene

## 2.3. Other hazards

See section 8 for details of exposure limits.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>(2-Methoxymethylethoxy)propanol</b> <span style="float: right;"><b>1-5%</b></span> CAS number: 34590-94-8                      EC number: 252-104-2                      REACH registration number: 01-2119450011-60-XXXX Substance with a Community workplace exposure limit.
<b>Classification</b> Not Classified
<b>Alcohols C9-11, ethoxylated</b> <span style="float: right;"><b>&lt;3%</b></span> CAS number: 68439-46-3                      EC number: 614-482-0
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318

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

<b>Inhalation</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Skin contact</b>	Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

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**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**Skin contact** Prolonged skin contact may cause redness and irritation.

**Eye contact** Causes serious eye irritation. Splashes in the eyes may cause redness and irritation. Profuse watering of the eyes.

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

**Notes for the doctor** Treat symptomatically.

## **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. Water spray, dry powder or carbon dioxide.

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

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

### 5.3. Advice for firefighters

**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** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Keep out of the reach of children. Store in closed original container at temperatures between 5°C and 30°C.

### 7.3. Specific end use(s)

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**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

##### (2-Methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation.

##### Eye/face protection

Side shield safety glasses are recommended when handling this product.

##### Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

##### Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

##### Respiratory protection

For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Turquoise. Blue.
<b>Odour</b>	Citrus.
<b>pH</b>	pH (concentrated solution): 11.3 pH (diluted solution): 9.5
<b>Initial boiling point and range</b>	100°C
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.036
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined.

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**Viscosity** Not determined.

**Explosive properties** Not applicable.

**Oxidising properties** Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Product is alkaline and may be mildly corrosive to mucous membranes. Gastrointestinal symptoms, including upset stomach. systemic effects nausea Possible respiratory irritation by wetting agents in atomised spray form.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 29,940.12

#### Skin corrosion/irritation

**Skin corrosion/irritation** Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation. Splashes in the eyes may cause redness and irritation. Profuse watering of the eyes.

#### Skin sensitisation

**Skin sensitisation** Contains Limonene

#### Germ cell mutagenicity

**Genotoxicity - in vivo** No effects expected based upon current data.

#### Carcinogenicity

**Carcinogenicity** No effects expected based upon current data.

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### Reproductive toxicity

**Reproductive toxicity - fertility** No effects expected based upon current data.

### Toxicological information on ingredients.

#### (2-Methoxymethylethoxy)propanol

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 5,135.0  
mg/kg)

Species Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 20.0  
mg/kg)

Species Rabbit

#### Alcohols C9-11, ethoxylated

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 300.0  
mg/kg)

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 2,000.0  
mg/kg)

#### Trisodium orthophosphate

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 7,400.0  
mg/kg)

Species Rat

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** The product is not expected to be hazardous to the environment.

### Ecological information on ingredients.

#### (2-Methoxymethylethoxy)propanol

##### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC<sub>50</sub>, 72 hours: >969 mg/l, Algae

#### Alcohols C9-11, ethoxylated

##### Acute aquatic toxicity

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**Acute toxicity - fish** LC<sub>50</sub>, : > 10 mg/l,

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, : > 1 mg/l,

**Acute toxicity - aquatic plants** IC<sub>50</sub>, : > 10 mg/l,

### Trisodium orthophosphate

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 150 mg/l, *Poecilia reticulata* (Guppy)  
LC<sub>50</sub>, 96 hours: >100 mg/l, *Oncorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >100 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: >100 mg/l, *Desmodesmus subspicatus*

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

#### Ecological information on ingredients.

#### (2-Methoxymethylethoxy)propanol

**Chemical oxygen demand** 2.02

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not known.

**Partition coefficient** Not determined.

#### Ecological information on ingredients.

#### (2-Methoxymethylethoxy)propanol

**Partition coefficient** : 1.01

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 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.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

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### SECTION 14: Transport information

#### 14.1. UN number

Not classified for transportation.

#### 14.2. UN proper shipping name

None.

#### 14.3. Transport hazard class(es)

ADR/RID class -

IMDG class -

#### 14.4. Packing group

None.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

None.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

**National regulations** REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577.  
GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.  
Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617.  
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

**EU legislation** 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) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**General information** Telephone 020 8974 1515

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 16/12/2020

**Revision** 4



## ALKLEEN

<b>Supersedes date</b>	25/09/2015
<b>Risk phrases in full</b>	Not classified.
<b>Please note:</b>	Where abbreviations have been used elsewhere the full text has been written below, for the classification of the product please refer to section 2.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation.
<b>Signature</b>	Aaron Saunders

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.