



## 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) 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.

#### SECTION 2: Hazards identification

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

###### Classification

###### Physical hazards

Not Classified

###### Health hazards

Eye Irrit. 2 - H319

###### Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

###### 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.

**ALKLEEN****2.2. Label elements****Pictogram****Signal word**

Warning

**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

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.

**Detergent labelling**< 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**

(2-Methoxymethylethoxy)propanol		1-5%
CAS number: 34590-94-8 EC number: 252-104-2		
Substance with a Community workplace exposure limit.		
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>
Not Classified		-
Alcohols C9-11, ethoxylated		<3%
CAS number: 68439-45-2 EC number: —		
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302		Xn;R22. Xi;R41.
Eye Dam. 1 - H318		
Trisodium orthophosphate		1-5%
CAS number: 10101-89-0 EC number: —		
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315		Xi;R36/37/38.
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

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****Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any

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discomfort continues.

### **Ingestion**

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.

### **Skin contact**

Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

### **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.

**ALKLEEN****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)****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): IOELV 50 ppm 308 mg/m<sup>3</sup>

Sk

IOELV = Indicative occupational exposure limit value.

Sk = Can be absorbed through 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****Appearance**

Clear liquid.

**Colour**

Turquoise. Blue.

**Odour**

Citrus.

**pH**

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pH (concentrated solution): 11.3 pH (diluted solution): 9.5

**Initial boiling point and range**

100°C

**Flash point**

Not applicable.

**Evaporation rate**

Not determined.

**Upper/lower flammability or explosive limits**

Not applicable.

**Vapour pressure**

Not determined.

**Vapour density**

Not determined.

**Relative density**

1.036

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**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**

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**

Not determined.

**10.4. 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**

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

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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### 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)

29,940.11976048

### Skin corrosion/irritation

#### Skin corrosion/irritation

Prolonged or repeated exposure may cause the following adverse effects:, skin irritation and dermatitis.

### Serious eye damage/irritation

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

### Skin sensitisation

Contains Limonene

### Germ cell mutagenicity

#### Genotoxicity - in vivo

No effects expected based upon current data.

### Carcinogenicity

No effects expected based upon current data.

### 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 (LD50 mg/kg)

5,135

##### Species

Rat

#### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

20

##### Species

Rabbit

#### Alcohols C9-11, ethoxylated

#### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

300

#### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

2000

#### Trisodium orthophosphate

#### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

7,400

##### Species

Rat

**ALKLEEN****SECTION 12: Ecological Information****12.1. Toxicity**

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

**Ecological information on ingredients.****(2-Methoxymethylethoxy)propanol****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 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 toxicity - fish**

LC<sub>50</sub>, 96 hours: 150 mg/l, Poecilia reticulata (Guppy) LC<sub>50</sub>, 96 hours: >100 mg/l, Onchorhynchus 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, Desmodemus 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**

Not known.

**Partition coefficient**

Not determined.

**Ecological information on ingredients.****(2-Methoxymethylethoxy)propanol****Partition coefficient**

: -0.35

**12.4. Mobility in soil****Mobility**

The product is soluble in water.

**ALKLEEN****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**

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.

**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 MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**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**



**ALKLEEN**

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

**Revision date** 09/12/2014

**Revision** 2

**Supersedes date** 27/11/2012

**Signature** Aaron Saunders

**Risk phrases in full**

NC Not classified.

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

**Hazard statements in full**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Disclaimer**

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.