



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

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.

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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/m³
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**

LC₅₀, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC₅₀, 72 hours: >969 mg/l, Algae

Alcohols C9-11, ethoxylated**Acute toxicity - fish**

LC₅₀, : > 10 mg/l,

Acute toxicity - aquatic invertebrates

EC₅₀, : > 1 mg/l,

Acute toxicity - aquatic plants

IC₅₀, : > 10 mg/l,

Trisodium orthophosphate**Acute toxicity - fish**

LC₅₀, 96 hours: 150 mg/l, Poecilia reticulata (Guppy) LC₅₀, 96 hours: >100 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 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.

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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

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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.