



admiral

SAFETY DATA SHEET

ADMIRAL CARPET SHAMPOO

According to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

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

1.1. Product identifier

Product name ADMIRAL CARPET SHAMPOO
Product number HR0005
Internal identification 3026
Container size 5L

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

Identified uses Carpet shampoo. For professional use only.
Uses advised against Not for oral consumption.

1.3. Details of the supplier of the safety data sheet

Supplier Admiral Group of Companies
Unit 2, Bardon 22 Industrial Estate, Coalville, Leicestershire, LE67 1TE
Tel: +44 (0) 1530 278920
Fax: +44 (0) 1530 278930

Manufacturer MERLIN CHEMICALS
Unit 5, Passfield Mill Business Park, Liphook, Hampshire, GU30 7RR
+44 (0)1428 751122
+44 (0)1428 751133
technical@merlinchemicals.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger
Hazard statements H315 Causes skin irritation.
H318 Causes serious eye damage.

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Precautionary statements	P280 Wear protective gloves, eye and face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/ attention. 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. P404 Store in a closed container.
Contains	C9-11 ALCOHOL ETHOXYLATE WITH 6.5M ETHYLENE OXIDE, SODIUM METASILICATE PENTAHYDRATE, ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT
Detergent labelling	5 - < 15% non-ionic surfactants, < 5% EDTA and salts thereof
Supplementary precautionary statements	P501 Dispose of contents/ container in accordance with national 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

C9-11 ALCOHOL ETHOXYLATE WITH 6.5M ETHYLENE OXIDE 5-10%		
CAS number: 68439-46-3		
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R41	
2-BUTOXYETHANOL 1-5%		
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22 Xi;R36/38	
SODIUM METASILICATE PENTAHYDRATE 1-5%		
CAS number: 10213-79-3	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) C; R34. Xi; R37	

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ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT		1-5%
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373	Classification (67/548/EEC or 1999/45/EC) Xn;R20,R22. Xi;R41.	
SODIUM HYDROXIDE		<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) C;R35	

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

General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). For immediate First Aid advice in the UK, dial 111.
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	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

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

Skin contact	Causes skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Rinse well with water to neutral pH.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

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

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6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

Specific end use(s) Carpet shampoo. Refer to Product Information Sheet.

Usage description Refer to use instructions.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL Professional - Dermal; Acute systemic effects: 89 mg/kg bw/day
Professional - Dermal; Long term systemic effects: 75 mg/kg bw/day
Professional - Inhalation; Acute systemic effects: 246 mg/m³
Professional - Inhalation; Long term systemic effects: 98 mg/m³

PNEC - Fresh water; 8.8 mg/l
- Sediment (Freshwater); 34.6 mg/l
- Sediment (Marinewater); 3.46 mg/kg
- marine water; 0.88 mg/l
- STP; 463 mg/l
- Soil; 2.8 mg/kg

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

DNEL Workers - Inhalation; Long term systemic effects: 6.22 mg/m³
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/m³
Consumer - Dermal; Long term systemic effects: 0.74 mg/kg bw/day

PNEC - Fresh water; 7.5 mg/l
- marine water; 1 mg/l
- Intermittent release; 7.5 mg/l

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT (CAS: 64-02-8)

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DNEL Professional - Inhalation; Long term systemic effects: 1.5 mg/m³

PNEC

- Fresh water; 2.86 mg/l
- marine water; 0.286 mg/l
- Intermittent release; 1.56 mg/l
- Soil; 0.937 mg/kg, mg/kg dwt
- STP; 55.94 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Industry - Inhalation; Long term local effects: 1.0 mg/m³
DNEL data for Professional users is not yet available, but it is assumed to be the same as for Industrial users.

Industry - Dermal; Short term local effects: 2%

PNEC No information is available for PNEC data for Sodium Hydroxide

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not applicable.

Respiratory protection

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit.

General Health and Safety Measures.

The above requirements refer to the neat product. Normal use solutions of this product are unclassified. However, a full COSHH assessment should still be conducted. We recommend use of gloves and eye protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour	Colourless.
Odour	Solvent.
Odour threshold	Not applicable.
pH	pH (concentrated solution): 12 - 13
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not applicable.

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Vapour density	Not applicable.
Relative density	1.03 - 1.04
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not determined.
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.

9.2. Other information

Refractive index	Not applicable.
Particle size	Not applicable.
Molecular weight	Not applicable.
Volatility	Not applicable.
Saturation concentration	Not applicable.
Critical temperature	Not applicable.
Volatile organic compound	Not applicable.

Explosive Properties

Storage Temperature Range 0 - 40°C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions. The solution is strongly alkaline and reacts with strong acids with heat generation.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Refer to section 10.1. Do not mix with Hypochlorite based chemicals, this could result in a dangerous heating of the solution. Do not mix with acids, this will generate heat and give off corrosive vapours.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 6,261.17

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Acute toxicity - dermal

ATE dermal (mg/kg) 33,333.33

Acute toxicity - inhalation

ATE inhalation (gases ppm) 136,363.64

ATE inhalation (vapours mg/l) 333.33

ATE inhalation (dusts/mists mg/l) 29.49

Skin contact Irritating to skin.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

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 Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

Pcs Information

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Change to supplier address
Revision date	30/01/2019
SDS number	21443
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. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.

REACH extended MSDS comments

END OF SAFETY DATA SHEET