

Revitalise Concentrated Liquid Carpet Cleaner

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation:

Revitalise Concentrated Liquid Carpet Cleaner

Use of the substance/preparation:

Cleaner and degreaser.

Company/undertaking identification:

Avmor LTD

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2. Hazards identification

Irritant preparation that can cause eczema and inflammation of the skin.

Classification:

R43

3. Composition/information on ingredients

% w/w	Name	CAS-no.	EINECS/ELINCS	Classification
< 5	Sodium tripolyphosphate	7758-29-4	231-838-7	Xi;R36/38
< 5	2-butoxyethanol	111-76-2	203-905-2	Xn;R20/21/22 Xi;R36/38
< 1	Tetrasodium ethylenediaminetetraacetate	64-02-8	200-573-9	Xi;R36/38
< 0.06	5-chlor-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), mixture of (CMIT/MIT)	26172-55-4 2682-20-4 55965-84-9	247-500-7 220-239-6 mixture	T;R23/24/25 C;R34 R43 N;R50/53

Wording of R-phrases - see section 16.

< 5% Cationic surfactants

< 5% Anionic surfactants

< 5% Phosphates

< 5% EDTA and salts thereof

Parfume

4. First-aid measures

Inhalation:

Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact:

Remove all contaminated clothing. Wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact:

Flush with water or physiological salt water for at least 5 minutes, holding eye lids open, remember to remove contact lenses, if any. Seek medical advice.

Ingestion:

Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical advice.

Information:

Show this safety data sheet to a physician or emergency ward.

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5. Fire-fighting measures

Precautions against fire:

Not flammable.

Suitable extinguishing media:

Not relevant.

Non suitable extinguishing media:

Not relevant.

Hazardous combustion or decomposition products:

Not relevant.

Protective equipment:

Not relevant.

6. Accidental release measures

Personal precautions:

Use personal protective equipment - see section 8. Ventilate area of leak or spill.

Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

Methods for cleaning up:

Take up with absorbent material (e.g. general-purpose binder) and place in marked container for disposal. Clean with water. Further handling of spillage - see section 13.

7. Handling and storage

Safe storage:

Store in a well-closed original container, non-freezing. Keep out of the reach of children.

Specific use(s):

See section 1.

8. Exposure controls/Personal protection

Exposure limits:

Substance	8-hour TWA	15-min STEL	
2-Butoxyethanol (Sk)	25 ppm	50 ppm	Sk = Can be absorbed through skin

Exposure controls:

Avoid contact with skin, eyes and clothing. Change contaminated clothes. Wash hands and contaminated areas with water and mild soap after use. There shall be access to water and eye wash fountain. Avoid breathing vapors. Provide sufficient ventilation.

The employer shall assess the working conditions and, if there is any risk to the safety or health and any effects on the pregnancy or breastfeeding of workers, take the necessary measures to adjust the working conditions (Directive 92/85/EEC).

Personal protective equipment:**Respiratory protection:**

In case of working in not adequate ventilated areas, use an approved mask with a gas filter: A/P2. The filter has a limited lifetime and must be changed. Read the instruction.

Skin protection:

Wear protective gloves of e.g. butyl rubber or nitrile rubber. It has not been possible to find any data for breakthrough time, so it must be recommended to change the glove if spilled on it.

Eye protection:

Wear tight fitting safety goggles when risk of splashes.

Environmental exposure controls:

-

9. Physical and chemical properties

Appearance:	Colorless liquid
Odour:	Floral
pH (concentrate):	10.5 – 11.5
Boiling point (°C):	~ 100
Melting point (°C):	~ 0
Vapour pressure (kPa) v/20°C:	2.3
Relative density (g/ml) v/25°C:	1.045 – 1.065
Water solubility:	Miscible

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10. Stability and reactivity

Stability:

Stable under the recommended storage conditions (see section 7).

Conditions to avoid:

Excessive heating or freezing.

Materials to avoid:

Generally avoid mixing with other chemicals, especially other detergents.

Hazardous decomposition products:

When heated to high temperatures (decomposition) it emits toxic fumes such as oxides of carbon.

11. Toxicological information

Routes of exposure:

Skin and gastrointestinal tract.

Acute toxicity:**Inhalation:**

Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis and unconsciousness.

Skin:

May cause irritation with redness and degrease skin.

Eyes:

Irritation with redness, pain and blurred vision.

Ingestion:

Irritation to the mucous membranes in mouth, throat and stomach. Symptoms can be nausea, stomach ache, vomiting and headache.

Long term toxicity:

Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system. Prolonged or frequent contact can cause eczema and inflammation of the skin as a result of degreasing and contact with CMIT/MIT.

12. Ecological information

Ecotoxicity:

Tetrasodium ethylenediaminetetraacetate is harmful in the aquatic environment. LC_{50} (96h – fish) = 41 mg/l.

CMIT/MIT is very toxic in the aquatic environment. $L(E)C_{50}$ (48/96h – daphnia/fish) < 1 mg/l.

Mobility:

Soluble in water and mobility in the aquatic systems is expected. Surfactants have a strong affinity for particles in the soil.

Persistence and degradability:

The surfactants in the product pass the ultimate biodegradability test according to EC regulation for surfactants in detergents.

Bioaccumulative potential:

Alcohols, C₉₋₁₁, ethoxylated: $1 < \log K_{ow} < 3$ – moderate bioaccumulative.

Tetrasodium ethylenediaminetetraacetate and CMIT/MIT: $\log K_{ow} < 1$ – no bioaccumulation is expected

Other adverse effects:

The preparation is alkaline. Can possibly disturb the ecological balance.

13. Disposal considerations

Comply with national and local regulations. The preparation is to be considered as hazardous waste.

EWC-code:

20 01 29

14. Transport information

Not dangerous goods.

UN-no	Proper shipping name	Class	Packing group	MP
-	-	-	-	-

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15. Regulatory information

EC-no.: -

Danger symbol:



Irritant

Content: -

< 5% Cationic surfactants

< 5% Anionic surfactants

< 5% Phosphates

< 5% EDTA and salts thereof

Parfume

Risk- and Safety-phrases:

R 43: May cause sensitisation by skin contact.

S 24: Avoid contact with skin.

S 37: Wear suitable gloves.

Restriction on application:

Must not be used by persons under 18 years of age.

16. Other information

R-phrases mentioned in section 2 and 3:

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R 34: Causes burns.

R 36/38: Irritating to eyes and skin.

R 43: May cause sensitisation by skin contact.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Training advice:

No special training is required. However, the user should be well instructed in the execution of his task and be familiar with this safety data sheet.

Further information:

* The safety data sheet is prepared according to REACH regulation (EC) No. 1907/2006.

Edition No.:

1

Date (revision):

18 December 2007

Changes in section(s):

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