

MATERIAL SAFETY DATA SHEET

Wallpaper Flake Adhesive

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1. Product identifier

Product name : Wallpaper Flake Adhesive
Synonyms : -
Additional identification : -

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

Identified uses : Wallpaper paste, when used mixed with water.
Uses advised against : None known

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier : Retford Wallcoverings Ltd
 Unit 28 Corringham Rd Ind Est
 Gainsborough
 DN21 1QB
Telephone number : +(0)1427 616597
Email of contact person : admin@retwall.co.uk

1.4. Emergency telephone number : +44 – (0) 1282 614780

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product definition : Mixture
Classification according to Regulation (EC) No. 1272/2008:
 None

2.2. Label elements

Hazard pictograms : -
Signal word : -
Hazard statements : -
Precautionary statements : -
Prevention : -
Response : -
Disposal : -
Name on label : -
Supplemental label elements : Not applicable

2.3. Other hazards

Unknown.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances / mixtures

HAZARDOUS COMPONENT(S)

Name of component(s)	weight. %	CAS nr/ EG nr / EG annex nr	Symbol(s)	H-Sentence(s)
Starch, carboxymethyl:	98,5 – 99,5 %	9063-38-1 / 618-597-7 / -	-	-
Ether, sodium salt				

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2,2'-(ethylenedioxy): Diethanol	0,31 – 0,94%	112-27-6 / 203-953-2 /	-	-
Didecylidimethyl ammoniumchloride	0,066 – 0,2%	7173-51-5/230-525-2/612-131-00-6	Acute. Tox. 3 Skin Corr. 1B Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 2	H301 H314 H318 H400 H411
Ethanol	0,015 – 0,045%	64-17-5 / 200-578-6 / 603-002-00-5-	Flam. Liq. 2 Eye Irritation 2	H225 H319

The complete text of the H-sentences can be found in section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	:	Remove victim into fresh air. Get medical attention if symptoms persist.
Eye contact	:	Rinse out with plenty of water with the eyelid held wide open. Seek medical attention if symptoms persist.
Skin contact	:	Flush contaminated skin with plenty of water and soap. In the event of any complaints or symptoms, get medical advice.
Ingestion	:	Rinse mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Obtain medical attention.

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

Acute:		
Skin	:	None.
Eyes	:	None.
Inhalation	:	Exposure to decomposition products may cause a health hazard.
Ingestion	:	No specific data.
Delayed:		
Skin	:	No specific data..
Eyes	:	No specific data.
Inhalation	:	No specific data.
Ingestion	:	No specific data.

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

Hazards	:	Not classified.
Treatment	:	Treat symptomatically. No risks which need special first aid measures.

5. FIRE-FIGHTING MEASURES

General fire hazards : None.

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide, water spray or fog, powder, foam.

Extinguishing media not to be used : None known

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5.2. Special hazards arising from the substance: Development of hazardous combustion gases or vapours possible in the event of fire.

Hazardous combustion products : carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, metal oxides.

5.3. Advice for firefighters
Special fire fighting procedures : Do not stay in dangerous zone without self-contained breathing apparatus.

Special protective equipment for fire fighters: Self contained breathing apparatus and full protective clothing must be worn in case of fire. Follow the procedures in force at the fire fighting chemicals.

Extinguishing water used for fire fighting purposes should not enter drainage systems, soil or stretches of open water. Provide enough possibilities to collect extinguishing water. Combustion residues and contaminated water must be removed according to the national legislation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe dust. Provide adequate ventilation. Wear respirator when ventilation is inadequate. Wear appropriate personal protective equipment (work clothing, gloves and dust mask). Avoid contact with skin.

6.2. Environmental precautions

Avoid unintentional release into the environment.

6.3. Methods and material for containment and cleaning up

Clean up mechanically and place a container for chemical waste. Shovel/vacuum up in a manner to minimize dust generation. Do not rinse with water, this will make the floor very slippery. Avoid leaking into drains and surface water.

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

6.4. Reference to other sections

For more information: see section 8 for personal protective equipment and section 13 for instructions for removal.

7. HANDLING AND STORAGE

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7.1. Precautions for safe handling

Potential: object extraction. Ensure adequate ventilation in the rooms. Avoid contact with skin and eyes. Avoid release in the environment. Refer to special instructions/ safety data sheet. Observe good personal hygiene – wash hands after work, use protective clothing in accordance with section 8. Do not eat, drink or smoke while using this product. Workers should wash hands and face before eating, drinking or smoking. Remove contaminated clothing before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original bags and kept tightly closed when not in use. Store in a dry, cool and well ventilated place. Avoid contact with moisture. Keep bags tightly closed until ready for use. Seal bags after use. Do not store next to strong oxidising agents.

7.3. Specific end use

Wallpaper paste.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

If exposure limits have not been established, maintain airborne levels to an acceptable level.

Chemical name	Type	Exposure Limit values	Source
Ethanol	TWA 8 hours TWA 8 hours	1907 mg/m ³ 1000 ppm	Lijst grenswaarden / Valeurs Limites (Belgium, 11/2011).
2,2'-(ethylenedioxy) diethanol	TWA 8 hours. Form: inhalable fraction. PEAK 15 minutes. Form: inhalable fraction.	1000 mg/m ³ 2000 mg/m ³	TRGS900 AGW (Germany, 2/2008)
Ethanol	PEAK 15 minutes PEAK 15 minutes TWA 8 hours TWA 8 hours	1920 mg/m ³ 1000 ppm 960 mg/m ³ 500 ppm	TRGS900 AGW (Germany, 1/2012)
Ethanol	OEL, 8-h TWA 8 hours STEL, 15-min ref. 15 minutes.	260 mg/m ³ 1900 mg/m ³ Absorbed through skin	MinSZW Wettelijke Grenswaarden (Netherlands, 6/2011).
2,2'-(ethylenedioxy) diethanol	STEL 15 minutes Form: inhalable fraction. TWA 8 hours. Form: Inhalable fraction.	2000 mg/m ³ 1000 mg/m ³	SUVA (Switzerland, 1/2009)
Ethanol	STEL 15 minutes STEL 15 minutes TWA 8 hours TWA 8 hours	1920 mg/m ³ 1000 ppm 960 mg/m ³ 500 ppm	SUVA (Switzerland, 1/2012) Notes: not temporary.
Ethanol	TWA 8 hours TWA 8 hours	1920 mg/m ³ 1000 ppm	EH40/2005 WELs (United Kingdom (UK), 12/2011)

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used.

Individual protection measures, such as personal protective equipment

- General information** : Eye bath, washing facilities and safety shower.
- Eye / face protection** : Safety glasses may be required if the product is handled roughly.
- Skin protection** : Wear overall and safety shoes. Wear protective gloves.
Material: rubber.
- Respiratory protection** : Respiratory equipment required, when dusts are generated. Use P2 mask.
- Hygienic measures** : Observe good industrial hygiene measures. Do not smoke, eat and drink, while working with the product. Wash hands, forearms and face thoroughly after handling the product, before eating, drinking or smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reuse.
- Thermal hazards** : Not applicable.
- Environmental controls**: Avoid unintentional release into the environment.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	:	flake
Colour	:	white
Odour	:	slight chemical odour
pH	:	> 10-11.5
Melting point	:	-
Boiling point boiling range	:	not available.
Flashpoint	:	> 125 °C
Evaporation rate	:	-
Flammability	:	-
Explosive properties	:	-
Vapour pressure	:	-
Vapour density	:	-
Relative density	:	250 – 400 g per litre
Solubility in water	:	Very soluble in water at ambient temperature
Partition co-efficient: n-octanol/water:	:	-
Auto-ignition temperature	:	-
Decomposition temperature	:	-
Viscosity	:	-
Oxidation properties	:	-

10. STABILITY AND REACTIVITY

10.1. Reactivity	:	Reacts with strong oxidants.
10.2. Chemical stability	:	Stable under normal conditions.
10.3. Possibility of hazardous reactions:		Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid	:	No specific data.
10.5. Materials to avoid	:	Water.
10.6. Hazardous decomposition products:		Under normal conditions of storage and use, hazardous decomposition products should not be produced. In the case of complete combustion the decomposition products carbon dioxide and water are formed.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Productname	Result	Species	Dose	Exposure
Didecylmethyl ammoniumchloride	LD50 Dermal	Rabbit	3342 mg/kg	-
	LD50 Oral	Rat	238 mg/l	-
Ethanol	LD50 Oral	Rat	238 mg/kg	-
	LC50 Inhalation Vapour	Rat	20000 mg/l	10 hours
	LD50 Oral	Mouse	3450 mg/kg	-
	LD50 Oral	Rat	7060 mg/kg	-
	LD50 Oral	Rat	7060 mg/kg	-

Skin corrosion / irritation :
Didecylmethylammoniumchloride: No data available.

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Ethanol: No data available.

Serious eye damage / eye irritation:

Didecyldimethylammoniumchloride:

No data available.

Ethanol:

No data available.

Respiratory or skin sensitization : No data available.

Germ cell mutagenicity

In vitro : no indication of mutagenicity.

In vivo : no indication of mutagenicity.

Carcinogenicity : No data available.

Reproductive toxicity : No data available.

Specific target organ toxicity : No data available.
- single exposure

Specific target organ toxicity : No data available.
- repeated exposure

Aspiration hazard : No data available.

Potential acute health effects:

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Potential chronic health effects:

Not available.

Other adverse effects : No data available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Acute toxicity / Chronic toxicity

Productname	Result	Species	Exposure
Didecyldimethyl ammoniumchloride	Acute EC50 0,026 mg/l	Algae	96 hours
	Acute EC50 0,094 mg/l	Daphnia	48 hours
	Acute LC50 0,19 mg/l	Fish – Pimephales promelas	96 hours
	Acute LC50 1 mg/l	Fish	96 hours
	Chronic NOEC 0,01 mg/l	Daphnia – Daphnia magna	21 days
	Chronic NOEC 0,032 mg/l	Fish – Danio rerio	34 days
Ethanol	Acute EC50 2000 µg/l	Daphnia – Daphnia magna	48 hours
	Fresh water		
	Acute LC50 25500 µg/l	Crustaceans – Artemia	48 hours
	Marine water		
	Acute LC50 13 ml/l fresh water	Fish – Oncorhynchus mykiss	96 hours
	Chronic NOEC <6,3 mg/l fresh water	Daphnia – Daphnia magna	48 hours

12.2. Persistence and degradability :

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Didecyldiammoniumchloride: 72% - Readily – 28 days
301B Ready Biodegradability – CO₂ Evolution Test

12.3. Bioaccumulation:

Didecyldiammoniumchloride: Log P_{ow}: -.
BCF: 81
Potential: low

12.4. Mobility in soil : No data available.

12.5. Results of PBT and vPvB Assessment : Not applicable.

12.6. Other adverse effects : No data available.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Methods of disposal : Dispose of waste and residues in accordance with local authority requirements, by an approved waste processor.

Hazard waste : Yes.

Disposal of the packaging : The used packaging is exclusively meant for the packaging of this product. After use, empty the packaging well and close. Removal of packaging waste in accordance with current regulations. Avoid dispersal of spilt material and runoff and contact with soil, water, drains and sewers.

14. TRANSPORT INFORMATION

Not regulated as dangerous goods under ADR/RID – ADNR – IMDG – IATA.

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/ legislation specific for the substance:**

Substances of very high concern : None of the components are listed.
European Inventory : All components are listed or exempted.
Black List Chemicals : Not listed.
Priority List Chemicals : Not listed.

The information regarding legislation is not intended to be complete. Other legislation could be applicable to this product.

15.2. Chemical safety assessment:

This product contains substances for which Chemical Safety Assessments are still required.

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16. OTHER INFORMATION

This Material Safety Data Sheet was prepared conform Regulation (EG) nr. 1907/2006.

This Material Safety Data Sheet is intended for industrial or professional use.

H-sentences	:	H225	Highly flammable liquid and vapour.
		H301	Toxic if swallowed.
		H314	Causes severe skin burns and eye damage.
		H318	Causes serious eye damage.
		H319	Causes serious eye irritation.
		H400	Very toxic to aquatic life.
		H411	Toxic to aquatic life, with long lasting effects.

Date of issue / Date of revision:	6 September 2018
Date of previous revision:	7 November 2017
Version:	004
Changes relative to previous version:	Changes composition and pH.

Source of information	:	This information is based on the current available data (Manufacturers of the materials, chemical safety cards, Legal information, ...)
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