

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

Page 1 of 6

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

1.1. Product identifier

Product form : Substance
Trade name : Brush Magic
Chemical name : Polyether
IUPAC name : Trade Secret
EC N° : 224-631-8
CAS N° : 4431-83-8
REACH registration No : 01-2119969502-33-0000
Product code : 1200
Type of product : Pure substance
Formula : C7H16O4
Chemical structure : 
Product group : Acetal

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use
Professional use spec : Professional use resulting in manufacture of another substance (use of intermediates)
Distribution
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Coatings and paints, thinners, paint removers
Use as laboratory reagent
Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Deluxe Materials Limited,
Unit13,Cufaude Business Park,
Cufaude Lane,Bramley, Hampshire RG26 5DL, United Kingdom
T:+44(0)1256 883944 F:+44(0)1256 883966
info@deluxematerials.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit	Avonley Road SE14 5ER London	0870 243 2241	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

None.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

Page 2 of 6

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type	: Mono-constituent
Name	: 2,5,7,10-TETRAOXAUNDECANE
CAS N°	: 4431-83-8
EC N°	: 224-631-8

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,5,7,10-Tetraoxaundecane	(CAS N°) 4431-83-8 (EC N°) 224-631-8 (REACH-no) 01-2119969502-33-0000	99 - 100	Not classified

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Seek medical attention if ill effect or irritation develops.
First-aid measures after inhalation	: Move the affected person to the fresh air. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Wash off with plenty of water.
First-aid measures after ingestion	: Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: None under normal use.

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

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : powder, water spray, foam, carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Explosion hazard	: Not applicable.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use handling and disposal procedures appropriate for the absorbent material used.

6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.3. Methods and material for containment and cleaning up

For containment	: Use suitable disposal containers.
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

No additional information available

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

according to Regulation (EC) No. 1907/2006 (REACH)

Page 3 of 6

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Minimize exposure to air and light.
Precautions for safe handling	: Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations.
Storage conditions	: Store in dry, well-ventilated area.
Incompatible products	: Strong acids and oxidants.
Storage temperature	: -30 / 40 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1,67 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	11,75 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2,9 mg/m ³
Long-term - systemic effects, dermal	0,83 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	62,54 mg/l
PNEC aqua (marine water)	6,25 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	234,64 mg/kg dwt
PNEC sediment (marine water)	23,46 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,543 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

8.2. Exposure controls

Hand protection:

protective gloves

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Molecular mass	: 164,2 g/mol
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: 17,38
Melting point	: -65 °C
Freezing point	: No data available
Boiling point	: 210 °C
Flash point	: 88 °C (ASTM D 93)
Auto-ignition temperature	: 210 °C

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

Page 4 of 6

according to Regulation (EC) No. 1907/2006 (REACH)

Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0,22 mbar (25 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: 0,9921
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: - 0,69 (OECD 107)
Viscosity, kinematic	: 1,532 mm ² /s
Viscosity, dynamic	: No data available
Explosive properties	: Not classified.
Oxidising properties	: No data available
Lower explosive limit (LEL)	: 0,75 vol % (100°C)
Upper explosive limit (UEL)	: 38,2 vol % (180°C)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong acids and oxidants.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
LD50 oral rat	> 5000 mg/kg (OECD423)
LD50 dermal rat	> 2000 mg/kg (OECD402)

Skin corrosion/irritation : Not classified ((OECD 431 method). (OECD 404 method). (OECD 439 method))
pH: Not applicable

Serious eye damage/irritation : Slightly irritating to eyes. OECD 405
pH: Not applicable

Respiratory or skin sensitisation : Not classified ((OECD 442B method))

Germ cell mutagenicity : Not classified ((OECD 471 method). (OECD 476 method). (OECD 487 method))

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : Not classified (Lack of data)

STOT-single exposure : Not classified (Lack of data)

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
Viscosity, kinematic	1,532 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

Page 5 of 6

according to Regulation (EC) No. 1907/2006 (REACH)

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
LC50 fish 1	> 100 mg/l (OECD 203)
EC50 Daphnia 1	> 100 mg/l (OECD 202)
EC50 other aquatic organisms 1	> 1000 mg/l EU Method C.11
ErC50 (algae)	> 100 mg/l 72h (OECD 201)

12.2. Persistence and degradability

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
Biodegradation	4,3 % 28 days (OECD301D)

12.3. Bioaccumulative potential

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
Log Kow	- 0,69 (OECD 107)

12.4. Mobility in soil

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
Log Koc	0,181 estimated

12.5. Results of PBT and vPvB assessment

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane (4431-83-8)	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	
Component	
2,5,7,10-Tetraoxaundecane (4431-83-8)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated
UN-No. (ADN) : Not regulated
UN-No. (RID) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

ADN

Transport hazard class(es) (ADN) : Not regulated

SAFETY DATA SHEET : AC19 BRUSH MAGIC

Revision date: 5/01/18

Page 6 of 6

according to Regulation (EC) No. 1907/2006 (REACH)

RID

Transport hazard class(es) (RID) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

Packing group (ADN) : Not regulated

Packing group (RID) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane is not on the REACH Candidate List

1-Methoxy-2-(2-methoxyethoxymethoxy)ethane is not on the REACH Annex XIV List

15.1.2. National regulations

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian NDSL (Non-Domestic Substances List)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product