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## XENUM - M-Flush

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### SECTION 1 - Identification of the substance/mixture and of the company/undertaking

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#### 1.1. - Product identifier

Trade name XENUM - M-Flush  
Chemical name  
Product-type Mixture

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

Relevant identified uses of the substance or mixture - Additive

#### 1.3. - Details of the supplier of the safety data sheet

XENUM NV/SA  
Vluchtenburgstraat 9  
2630 Aartselaar Belgium  
Phone +32(0)3 846 48 03  
XENUM HQ: +32(0)3 846 48 03 info@xenum.com

#### 1.4. - Emergency telephone number

BelgiumPoison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30

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### SECTION 2 - Hazards identification

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#### 2.1. - Classification of the substance or mixture

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

Not Classified	Not classified
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#### 2.2. - Label elements

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

Signal word : None  
Pictograms : None  
Hazard statements : None  
Precautionary statements : None  
EUH-phrases

EUH210	Safety data sheet available on request
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#### 2.3. - Other hazards

PBT substance or mixture - No information available.

vPvB substance or mixture - No information available.

Other hazards which do not result in classification - No information available.

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### SECTION 3 - Composition/information on ingredients

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#### 3.1. - Substances

Not applicable

#### 3.2. - Mixtures

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Chemical name	No	%	Class	Spec. concentrations
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	CAS No. : 84605-20-9 Index No. : EC No. : 617-593-2	10 - 15	Aquatic Chronic 4 - H413	

### SECTION 4 - First aid measures

#### 4.1. - Description of first aid measures

<u>Measures in case of inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Measures in case of contact with skin</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>Measures in case of contact with eyes</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>Measures in case of ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects after inhalation</u>	- No information available.
<u>Symptoms and effects after contact with skin</u>	- No information available.
<u>Symptoms and effects after contact with eyes</u>	- No information available.
<u>Symptoms and effects after ingestion</u>	- No information available.

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

- Treat symptomatically.

### SECTION 5 - Firefighting measures

#### 5.1. - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- High power water jet

#### 5.2. - Special hazards arising from the substance or mixture

<u>Special hazards</u>	- No information available.
<u>Decomposition products</u>	- No information available.

#### 5.3. - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

### SECTION 6 - Accidental release measures

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### 6.1. - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.  
- Provide adequate ventilation.

For emergency responders - No information available.

### 6.2. - Environmental precautions

- No information available.

### 6.3. - Methods and material for containment and cleaning up

Appropriate containment techniques - No information available.

Appropriate clean-up procedures - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
- Wash with plenty of water.

Inappropriate techniques - No information available.

### 6.4. - Reference to other sections

- Disposal: see section 13  
- Personal protection equipment: see section 8

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## SECTION 7 - Handling and storage

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### 7.1. - Precautions for safe handling

Recommendations - Do not spray on naked flames or any incandescent material.  
- When using do not smoke.

Advice on general occupational hygiene - No information available.

### 7.2. - Conditions for safe storage, including any incompatibilities

- No information available.

### 7.3. - Specific end use(s)

- No information available.

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## SECTION 8 - Exposure controls/personal protection

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### 8.1. - Control parameters

### 8.2. - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Suitable protective clothing: lab coat



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- Protective gloves



- EN 455-3 (Rubber gloves)  
 - Suitable material: NBR (Nitrile rubber)

- Suitable material: NR (natural rubber, natural latex)

- Suitable eye protection: Eye glasses with side protection



- Recommended thickness of the material:  $\geq 0.5$  mm  
 - Transmission 8mg/cm<sup>2</sup> for 8h (water vapour 5mg/cm<sup>2</sup>/h)  
 - Required properties: Type 3  
 Liquid-tight

- Check leak tightness/impermeability prior to use.

Environmental exposure controls

- Use the following chemical treatment methods for waste water: Adsorption

### SECTION 9 - Physical and chemical properties

#### 9.1. - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Color</u>	red brown	<u>Odor</u>	earthy
Odour threshold	No data available		
pH	No data available		
Melting point	< 0 °C		
Freezing point	No data available		
Boiling point	> 200 °C		
Flash point	> 190 °C		
Evaporation rate	No data available		
flammability	No data available		

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Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	0,1 hPa
Vapour density	No data available
Relative density	No data available
Density	0,905 g/cm <sup>3</sup>
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log Kow - Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	0,7 mm <sup>2</sup> /s @40°C
Dynamic viscosity	No data available

### 9.2. - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10 - Stability and reactivity

### 10.1. - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2. - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4. - Conditions to avoid

- No information available.

### 10.5. - Incompatible materials

- Oxidising agent

### 10.6. - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11 - Toxicological information

### 11.1. - Information on toxicological effects

Acute toxicity - Not classified

LD50 oral (rat)	No data available
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	LD50 dermal (rat)	No data available
	LD50 dermal (rabbit)	No data available
	LC50 inhalation (rat)	No data available
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Not classified

Serious eye damage/irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

Specific target organ toxicity - Single exposure - Not classified

Specific target organ toxicity - Repeated exposure - Not classified

Aspiration hazard - Not classified

### SECTION 12 - Ecological information

#### 12.1. - Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

#### 12.2. - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

#### 12.3. - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log Kow - Partition coefficient: n-octanol/water	No data available

- No indication of bioaccumulation potential.

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### 12.4. - Mobility in soil

- No information available.

### 12.5. - Results of PBT and vPvB assessment

- No information available.

- No information available.

### 12.6. - Other adverse effects

- No information available.

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## SECTION 13 - Disposal considerations

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### 13.1. - Waste treatment methods

Appropriate methods of waste treatment - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.  
- Recycle according to official regulations.

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## SECTION 14 - Transport information

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### 14.1. - UN number

Not applicable

### 14.2. - UN proper shipping name

### 14.3. - Transport hazard class(es)

### 14.4. - Packing group

### 14.5. - Environmental hazards

### 14.6. - Special precautions for user

### 14.7. - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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## SECTION 15 - Regulatory information

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

Components in the list of  
Reach candidates None

Components in Annex XIV None

Components in Annex XVII None

VOC content No data available

### 15.2. - Chemical safety assessment

Chemical safety assessment carried  
out for the product - No information available.

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### SECTION 16 - Other information

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#### SDS versions

Version No.	Date of issue	Description of the amendments
1	30/11/2017	

#### Texts of the regulatory sentences

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
H413	May cause long lasting harmful effects to aquatic life
Not Classified	Not classified

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