

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

1.1. Product identifier

Product form	: Mixtures
Product name	: PROMASTOP®-M
Type of product	: Solid, dry powder.
Product group	: Fire stopping mortar

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Etex Building Performance Limited
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marketinguk@promat.co.uk - www.promat.co.uk

Other

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Other

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Other

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Other

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Other

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123945 Dubai - United Arab Emirates
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info@promatfp.ae - www.promatmiddleeast.com

1.4. Emergency telephone number

Emergency number : +44 1275 377 773
During office hours:

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Monday-Friday: 8.00 a.m. - 5.00 p.m. (MEZ) .
Language
English

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	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]

Flammable solids Not classified

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 1

H318

Skin sensitisation, Category 1

H317

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

Portland cement; glyoxal; sulfuric acid, mono-C12-18-alkyl esters, sodium salts

Hazard statements (CLP) :

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Precautionary statements (CLP) :

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302+P352 - IF ON SKIN: Wash with plenty of water and soap
P261 - Avoid breathing dust
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P501 - Dispose of contents/container to an approved waste disposal plant

Extra phrases :

Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns. May cause damage to products made of aluminium or other non-noble metals.

2.3. Other hazards

Other hazards not contributing to the classification

: Depending upon the source of the Portland cement, the product could be contaminated with chromium VI. - In several countries, the soluble chromium VI is legally limited to 0.0002% of the total dry weight. If soluble chromium VI is present in the Portland cement above the 0.0002%, a reduction agent has been added to it to keep the content of soluble chromium VI under the 0,0002%. The activity of this reduction agent is limited in time, what limits the shelf life of the product. The product should be used within 1 year after its production date. Natural contamination of some substances of the preparation with crystalline silica could occur. The inhalation of quartz containing dust, in particular the fine dust fraction(respirable size), in high concentrations or over repeated or prolonged periods of time can be hazardous to health and may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal

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if correct working practices are observed and applied. (Refer to Section 8).

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Portland cement	(CAS-No.) 65997-15-1 (EC-No.) 266-043-4 (REACH-no) 02-2119682167-31	2 - 70	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Fly ashes	(CAS-No.) 68131-74-8 (EC-No.) 268-627-4 (REACH-no) 01-2119491179-27	0 - 30	Eye Irrit. 2, H319
Flue dust Portland cement	(CAS-No.) 68475-76-3 (EC-No.) 270-659-9 (REACH-no) 01-2119486767-17	0 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
Crystalline Silica, respirable fraction substance with a Community workplace exposure limit	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	< 1	STOT RE 1, H372
sulfuric acid, mono-C12-18-alkyl esters, sodium salts	(CAS-No.) 68955-19-1 (EC-No.) 273-257-1 (REACH-no) 01-2119490225-39	0 - 0,5	Flam. Sol. 2, H228 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412
glyoxal	(CAS-No.) 107-22-2 (EC-No.) 203-474-9 (EC Index-No.) 605-016-00-7 (REACH-no) 01-2119461733-37	< 0,005	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 2, H341 STOT SE 3, H335

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Crystalline Silica, respirable fraction	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	(1 <C < 10) STOT RE 2, H373 (C >= 10) STOT RE 1, H372

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of allergy, inflammation or irritation, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Rinse throat with water and blow nose to evacuate dust. If nose or airways become inflamed, seek medical advice.
First-aid measures after skin contact	: Remove all dust as much as possible. Take off contaminated clothing. Immediately rinse with plenty of water. If skin irritation occurs: Get medical advice/attention. In case of allergy, seek medical advice.
First-aid measures after eye contact	: Do not rub the eye. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects after inhalation	: Cement dust may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits.
Symptoms/effects after skin contact	: When moistened by water or sweat, the Portland cement component may lead to skin inflammation, contact dermatitis or even delayed onset burns due to high alkalinity. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Risk of serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

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5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : Product is not explosive. The product is non-combustible.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation. Avoid breathing dusts. Avoid eye and skin contact. See sections 7 and 8.

6.1.1. For non-emergency personnel

Emergency procedures : Dampen down any dust or use vacuum cleaner with correct filter.
Measures in case of dust release : Prevent spread of dust.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow product to spread into the environment. Do not allow entry to drains, sewers, water courses or soil.

6.3. Methods and material for containment and cleaning up

For containment : Use closed containers to avoid dust release.
Methods for cleaning up : Minimize generation of dust. Do not use compressed air for cleaning. Do not dry sweep. Dampen down any dust or use vacuum cleaner with correct filter.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See sections 7, 8 and 11.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes. Ensure prompt removal from eyes, skin and clothing. Wear personal protective equipment. Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits in UK (refer to local regulations).
Handling temperature : 5 - 45 °C
Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep bags closed when not in use. Keep away from food, drink and animal feeding stuffs. Store in dry, covered and frost proof area. Protect from moisture.
Incompatible materials : Avoid contact with aluminium.
Maximum storage period : 12 months The packaging is marked with the packing date, the storage conditions and the storage period appropriate to maintain the activity of the reducing agent and to keep the content of soluble chromium VI below the limit indicated in section 2.
Storage temperature : 5 - 45 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Portland cement (65997-15-1)		
Ireland	Local name	Cement(Portland)
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ 4 mg/m ³
United Kingdom	Local name	Portland cement
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust

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Potassium Aluminium Silicate (12001-26-2)		
Ireland	Local name	Mica
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 0,8 mg/m ³ respirable dust
United Kingdom	Local name	Mica
United Kingdom	WEL TWA (mg/m ³)	0,8 mg/m ³ respirable 10 mg/m ³ total inhalable
Cellulose (9004-34-6)		
Ireland	Local name	Cellulose
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ 4 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	20 mg/m ³
United Kingdom	Local name	Cellulose
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³ inhalable dust
Crystalline Silica, respirable fraction (14808-60-7)		
EU	Local name	Silica crystalline (Quartz)
EU	Notes	SCOEL Recommendations (2003)
Ireland	Local name	Quartz, respirable dust, (see Silica, crystalline)
Ireland	OEL (8 hours ref) (mg/m ³)	0,1 mg/m ³
United Kingdom	Local name	Silica
United Kingdom	WEL TWA (mg/m ³)	0,1 mg/m ³ respirable crystalline

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust) : - in UK: Inhalable: 10 mg/m³. Respirable: 4 mg/m³
- in Ireland: Inhalable: 10 mg/m³. Respirable: 4 mg/m³

Additional information : Ensure all national/local regulations are observed.

8.2. Exposure controls

Appropriate engineering controls:

Provide appropriate exhaust ventilation at places of dust forming.

Hand protection:

Use alkali resistant gloves.

Eye protection:

Safety glasses with side shields. Use splash goggles when eye contact due to splashing is possible. Foresee eye cleaning on the workplace.

Skin and body protection:

Use loose work clothes with closed sleeves. Preventive skin protection creams can be used, but not after skin contact with the product.

Respiratory protection:

Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits for the UK (e.g. for exposures up to 10 times the OEL (WEL) use at least a P2 type duct mask. For higher exposure, use a P3 type mask).



Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder.
Colour : Grey.
Odour : No data available

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Odour threshold	: No data available
pH	: 11 - 13,5 (in aqueous solution).
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Reacts alkaline with water. A proposed reaction takes place in contact with water, during which the product hardens and forms a solid mass, which does not react with the environment.

10.2. Chemical stability

Stable under normal conditions. Shelf life is maximum 12 months.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Humidity during storage.

10.5. Incompatible materials

Reacts exothermically with acids. The wet product is alkaline and reacts with acids, ammonium salts and base metals e.g. aluminum, zinc or brass. The reaction with base metals produces hydrogen.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Portland cement (65997-15-1)	
LD50 oral	> 2000 mg/kg mouse
LD50 dermal rabbit	> 2000 mg/kg LD0 : 2000 mg/kg
Flue dust Portland cement (68475-76-3)	
LD50 oral rat	> 1848 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 6,04 g/m ³
glyoxal (107-22-2)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 800 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 1,3 mg/l/4h
sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
LD50 oral rat	> 2000 mg/kg

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sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 500 mg/kg
Skin corrosion/irritation	: Cement powder or a mixture of cement with water can cause irritant contact dermatitis, and/or delayed onset of skin burns. These burns can be very serious in prolonged contact with skin. pH: 11 - 13,5 (in aqueous solution).
Serious eye damage/irritation	: Causes serious eye damage. pH: 11 - 13,5 (in aqueous solution).
Respiratory or skin sensitisation	: May cause sensitisation of susceptible persons by skin contact. May cause respiratory tract irritation.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Inhaling cement dust may aggravate existing respiratory system disease(s) and/or medical conditions such as emphysema or asthma and/or existing skin and/or eye conditions.
Other information	: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation. The fibres used in this product do not meet the definition of critical or respirable fibre as defined by WHO convention because of their large diameter. Because the fibres are considered as non-respirable, they are not expected to pose a cancer risk.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Flue dust Portland cement (68475-76-3)	
EC50 Daphnia 1	100 mg/l
ErC50 (algae)	22,4 mg/l
NOEC chronic crustacea	50 mg/l
sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
LC50 fish 1	17 mg/l
EC50 Daphnia 1	15 mg/l
EC50 96h algae (1)	38 mg/l
NOEC chronic fish	1,3571 mg/l
NOEC chronic crustacea	0,88 mg/l

12.2. Persistence and degradability

PROMASTOP®-M	
Persistence and degradability	Not readily biodegradable.
sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
Biodegradation	93 %

12.3. Bioaccumulative potential

PROMASTOP®-M	
Bioaccumulative potential	Not expected to bioaccumulate.
sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
Log Pow	< -2,1

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Accidental spillage of cement powder in waste water, results in a low increase in the pH. Hydrated cement is a stable material that definitely sets its compounds and makes them insoluble.. Do not allow entry to drains, sewers, water courses or soil.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : In case of disposal, harden with water. Dispose the hardened product as concrete waste.
European List of Waste (LoW) code : 10 13 14 - waste concrete and concrete sludge
16 03 03* - inorganic wastes containing dangerous substances
17 01 01 - concrete
17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01,
17 09 02 and 17 09 03
15 01 01 - paper and cardboard packaging

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	glyoxal
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	glyoxal
47. Chromium VI compounds	PROMASTOP®-M

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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Other information, restriction and prohibition regulations : REGULATION (EC) n° 1907/2006 - REACH - Annex XVII, RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES, 47:
1.- Cement and cement-containing preparations shall not be used or placed on the market, if they contain, when hydrated, more than 0,0002 % soluble chromium VI of the total dry weight of the cement.
2.- If reducing agents are used the packaging of cement or cement-containing preparations shall be legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

1. Identification of the substance/mixture and of the company/undertaking. 2.3. Other hazards. 3.2. Mixtures. 4. First aid measures. 6. Accidental release measures. 7. Handling and storage. 8. Exposure controls/personal protection. 10. Stability and reactivity. 13. Disposal considerations. 14. Transport information. 15. Regulatory information. 16. Other information.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Sol. 2	Flammable solids, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H228	Flammable solid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet applicable for regions : CY;GB;GI;IE;IS;MT

SDS EU (REACH Annex II)

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