

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 1. IDENTIFICATION

1.1 Product identifiers

Product name:	M-Guard Conclear
Chemical description:	Urea hydrochloride and glycolic acid solution
REACH Registrations	The ingredients in this composition have been registered by the individual suppliers

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

Identified uses:	Cement cleaner/remover
Uses advised against	All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet

Supplier :	Muralplast 11 Invicta Business Park London Road Wrotham Kent TN15 7RJ
Telephone	+44 (0)1732 884022 (Office hours only)
Email	LUCAS@LUCASUK.com

1.4 Emergency telephone number

<i>Emergency telephone:</i>	0344 8920555 (National Poisons Information Service) * Healthcare professionals only 111 (NHS 111 – UK only)
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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to GB Classification, Labelling and Packaging Regulations

	Acute Toxicity (Ingestion)	Category 4
	Skin Corrosive	Category 1
	Eye Damage	Category 1
	STOT – Respiratory tract irritation (Single exposure)	Category 3

2.2 Label elements



Labelling according to GB Classification, Labelling and Packaging Regulations

Product identifier	M-Guard Conclear
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SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



Pictogram:	  GHS05 GHS07
Signal word:	Danger
Hazard statement(s):	H302: Harmful if swallowed H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation
Precautionary statement(s):	P260: Do not breathe mist/vapours/spray P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P501: Dispose of contents to licensed waste contractor
Supplementary Precautionary statements	P102: Keep out of reach of children. P103: Read label before use. P270: Do not eat, drink or smoke when using this product. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P332+P313: If skin irritation occurs: Get medical advice/attention P362+P364: Take off contaminated clothing and wash it before reuse P405: Store locked up.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance : Not applicable

Mixture : Hazardous ingredients:

Chemical name	Identifier	Concentration (% w/w)	Classification Regulation (EC) No. 1272/2008 [CLP]
Urea hydrochloride	EC: 208-059-6 CAS: 506-89-8	30 - 50	H302-H335 H315-H318 H290
Glycolic acid	EC: 201-180-5 CAS: 79-14-0 Reg: 01-2119485579-17-xxxx	< 1	H332-H314

See Section 16 for full text of abbreviations

SECTION 4. FIRST AID MEASURES

Description of first aid measures

If inhaled:	Remove to fresh air, ensuring own safety when doing so. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Do not use mouth-to-mouth method. Provide oxygen if available. If unconscious place in the recovery position. Transfer to hospital as soon as possible.
In case of skin contact:	Remove contaminated clothing and footwear immediately unless stuck to skin. Drench skin with running water for at least ten minutes. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical advice if irritation develops.
In case of eye contact:	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Protect non-irritated eye. Remove contact lenses if present and easy to do so. Continue rinsing. Transfer to hospital for specialist examination.

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



If swallowed	Rinse mouth with water. Do not induce vomiting. Give one cup of water to drink every ten minutes. If unconscious, check for breathing and apply artificial respiration if necessary before placing in recovery position. Transfer to hospital as soon as possible.
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4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	Blistering may occur. Progressive ulceration will occur if treatment is not immediate
Eye contact:	Corneal burns may occur. May cause permanent damage
Ingestion:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from mouth and nose.
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing and wheezing.
Delayed/immediate effects:	Immediate effects can be expected after short term exposure

4.3 Indication of any immediate medical attention and special treatment needed

Stomach ache, nausea, vomiting, bleeding from mouth and nose, breathing difficulty, eye irritation that persists, skin irritation

Obtain medical attention in the event of any acute or delayed symptoms. Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media	
Suitable extinguishing media:	Dry chemical, water spray, foam, carbon dioxide As appropriate for surrounding materials
Unsuitable extinguishing media	Water jet – may spread fire
5.2 Special hazards arising from the substance or mixture Thermal decomposition will evolve toxic and corrosive vapours	
5.3 Advice for firefighters Fire fighters should wear protective clothing including self-contained breathing apparatus. Cool containers exposed to fire with water spray.	

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Notify police and fire brigade immediately. Mark out contaminated area and prevent access to unauthorised personnel. Keep upwind. Do not attempt to take action without protective clothing. Prevent further leakage by turning containers leak-side up if safe to do so.
6.2 Environmental precautions
Prevent entry into drains, surface- and ground waters. Contain spillage using bunding
6.3 Methods and materials for containment and cleaning up
Clean-up should only be undertaken by qualified personnel. Soak up with inert absorbent material. Transfer product to a closed suitably labelled container for disposal at an approved site.
6.4 Reference to other sections
See Sections: 8 (EXPOSURE CONCERNS/PERSONAL PROTECTION) and 13 (DISPOSAL CONSIDERATIONS)

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Precautions:	Ensure good ventilation in the area. Do not handle in a confined space. Avoid direct contact with the product. Prevent formation of mists
Fire and explosion protection measures:	No specific protective measures are required
7.2 Conditions for safe storage, including any incompatibilities	
Requirements for storage areas and containers:	Store in a cool, well-ventilated place. Keep container tightly sealed. Must only be kept in original packaging.
Shelf life:	24 months
Incompatible products:	Strong oxidising agents, strong acids
7.3 Specific end use(s):	
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

WEL: Workplace Exposure Limit (UK HSE EH40)

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



Ingredient	LTEL (8 hours)	STEL (15 minutes)
Not applicable	Not applicable	Not applicable

Biological Exposure Limits:

DNEL:

Glycolic acid	Ingestion (Consumer)	0.75 mg/kg bw/day
	Skin Contact (Consumer)	28.5 mg/kg bw/day
	Skin Contact (Worker)	57.7 mg/kg bw/day
	Inhalation (Consumer)	2.3 mg/m ³
	Inhalation (Worker)	9.2 mg/m ³ (Systemic effects) 1.53 mg/m ³ (Local effects)

PNEC:

Glycolic acid	Fresh water	0.0312 mg/L
	Marine water	0.0031 mg/L
	Fresh water sediments	0.115 mg/kg
	Marine sediments	0.0115 mg/kg
	Soil (agricultural)	0.007 mg/L
	Sewage treatment plants	7 mg/L
	Food chain	16.7 mg/kg

Information on monitoring procedures:

Recommended monitoring procedures: Not applicable

8.2 Exposure controls

Individual protection measures, such as personal protective equipment:

Engineering controls	Use outdoors or with good ventilation.
General safety and hygiene measures:	Observe the general principles of safety and hygiene. Do not eat, drink, or smoke while working. Wash your hands thoroughly before breaks and after finishing work. Wash contaminated clothing before reusing. Ensure that eyewash stations are close to the workstation location.

8.3 Personal Protective Equipment

Respiratory protection:	Not normally required if ventilation is adequate. If air concentrations are high e.g. spraying, a particulate mask (FFP1) or respirator with an Inorganic vapours filter may be suitable (EN149). Where air filtering respirators are unsuitable (risk of oxygen deficiency,
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SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



	confined space) use appropriate positive pressure breathing apparatus.
Hand protection:	Impervious plastic or rubber gloves – Neoprene, Nitrile, Butyl, PVC, Viton. Breakthrough time 480 minutes. The product is a mixture of several substances. Consult manufacturer.
Eye/face protection:	Wear goggles (EN166).
Body/skin protection:	Wear overalls and boots
Control of environmental exposure:	Avoid release to the environment

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance	Colourless liquid
(b) Odour	Characteristic
(c) Odour Threshold	Not determined
(d) pH	1
(e) Melting point/freezing point	Not applicable. Test not scientifically justified
(f) Initial boiling point and boiling range	100 degC
(g) Flash point	Not applicable. Test not scientifically justified
(h) Evaporation rate	Not applicable. Test not scientifically justified
(i) Flammability (solid, gas)	Not applicable. Product is a liquid
(j) Upper/lower flammability or explosive limits	Not applicable. Test not scientifically justified
(k) Vapour pressure	Not applicable. Test not scientifically justified
(l) Vapour density	Not applicable. Test not scientifically justified
(m) Relative density	Not determined
(n) Water solubility at 20 degC	Soluble in water
(o) Partition coefficient: n-octanol/water	Not applicable. Test not scientifically justified
(p) Auto-ignition temperature	Not applicable. Test not scientifically justified
(q) Decomposition temperature	Not applicable. Test not scientifically justified
(r) Viscosity	Not available
(s) Explosive properties	Product does not contain any structural groups that possess explosive properties
(t) Oxidizing properties	Product does not contain any structural groups that possess oxidising properties
9.2 Other safety characteristics:	Volatile Organic Content (VOC) : Not applicable

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: Non-reactive under normal conditions of transport and storage. Does not undergo hazardous polymerization.

10.2 Chemical stability: The product is stable when used properly and stored.

10.3 Possibility of hazardous reactions: No hazardous reactions known

10.4 Conditions to avoid: Protect from sunlight and temperature above 30°C, and against freezing

10.5 Incompatible materials: Strong oxidising agents, strong acids

10.6 Hazardous decomposition products: Combustion may produce toxic fumes

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Mixture)

Acute toxicity Ingestion Inhalation Skin contact Glycolic acid	ATE > 2000 mg/kg ATE > 20 mg/L ATE > 5000 mg/kg Ingestion : LD50 > 2000 mg/kg Inhalation : LC50 = 3.6 mg/L Skin contact : LD50 > 5000 mg/kg
Skin corrosion/irritation	Irritating to skin (calculated)
Serious eye damage/irritation	Causes eye damage (calculated)
Sensitisation	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
Lactation	Based on available data, the classification criteria are not met
STOT (Specific Target Organ Toxicity) Single exposure	May cause respiratory irritation (calculated)
STOT (Specific Target Organ Toxicity) Repeated exposure	Based on available data, the classification criteria are not met
Aspiration toxicity	Based on available data, the classification criteria are not met
11.2 Other hazards	

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



Symptoms/Routes of exposure

Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate Corneal burns may occur. May cause permanent damage Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from mouth and nose. There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing and wheezing. Immediate effects can be expected after short term exposure
Eye contact	
Ingestion	
Inhalation	
Delayed/immediate effects	

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity Aquatic toxicity (Product) Fish Not available Daphnia magna Not available Algae Not available The product may affect the acidity (pH) of the water, which may have adverse effects on aquatic organisms Glycolic acid : Fish (96 hr) LC50 : 164 - 5000 mg/L Daphnia magna. (48 hr) EC50: 141 mg/L Algae (72 hr) EC50: 20 - 44 mg/L
12.2 Persistence and degradability Biodegradable
12.3 Bioaccumulative potential The product has no potential for bioaccumulation.
12.4 Mobility in soil Readily absorbed into soil
12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
12.6 Other adverse effects: No data

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 13. DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe way. Empty containers may retain some product residues. Do not dispose of with household waste. Do not allow product to reach sewer system. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number	UN3265
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class	8
14.4 Packaging group	III
14.5 Environmental hazards	No
14.6 Special precautions for users	No special precautions Tunnel code: E Transport category: 1

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the substance or mixture:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	GB Classification, Labelling and Packaging Regulations (EC 1272/2008 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc) (EU Exit) Regulations 2019 No. 720 Schedule 2)
15.2 Chemical Safety Assessment	A chemical safety assessment was not carried out for this product

SECTION 16. OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 to #16

Abbreviations

ADR	International Regulation – Carriage of goods by road
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SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
DNEL	Derived No Effect Level
EC ***-	European Community Number
EH40	HSE EH40/2015 Workplace Exposure Limits
HSE	UK Health and Safety Executive
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organisation
LTEL	Long Term Exposure Limit (8 hours)
MARPOL	International Convention Prevent Pollution from Ships
PNEC	Predicted No-Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
RID	International Agreement – Carriage of goods by rail
STEL	Short Term Exposure Limit (15 minutes)
STOT	Specific Target Organ Toxicity
VOC	Volatile Organic Content
vPvB	very Persistent and very Bioaccumulative

Mixtures classification methods:

The product has been classified according to the generic concentration limits defined in the Classification, Labelling and Packaging Regulations and the ECHA guidance notes for the classification of mixtures.

Full text of H-Statements referred to under Section 2 and Section 3.

Section 2	H302: Harmful if swallowed H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation
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Section 3:	<i>H290: May be corrosive to metals</i> <i>H315: Causes skin irritation</i> <i>H318: Causes serious eye damage</i> <i>H332: Harmful if inhaled</i>
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References:

European Chemicals Agency
UK and European Regulations and Directives
Published chemical directories
Suppliers' safety data sheets
UK Health and Safety Executive

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



The information contained in this Safety Data Sheet has been based on sources and technical knowledge as well as applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be regarded as a guarantee of product properties, as it is only a description of the requirements regarding safety issues. The methods and working conditions of the users of this product are beyond the reach of our knowledge and control, so the user is responsible for taking appropriate measures to comply with legal requirements regarding the handling, storage, use and disposal of chemical products. The information contained in this Safety Data Sheet applies only to the product that must not be used for purposes other than those specified therein.