

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Highways MBM534 Pt A

Revision 12

Revision date 2024-08-23

1.1. Product identifier

Product name
Other means of identification /
UFI

Highways MBM534 Pt A

UFI: WGXQ-8RXF-899F-TSYT.

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

	<u> </u>
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC0] Other; [PROC19] Hand-mixing with intimate contact and only PPE available; [ERC8f] Wide dispersive outdoor use resulting in
	inclusion into or onto a matrix; [AC4] Stone, plaster, cement, glass and ceramic articles;
Description	A factory produced drymix mortar (blend of sand, hydraulic binders, fillers and additives) to be mixed at the point of use with water for use in the construction industry.

1.3. Details of the supplier of the safety data sheet

Larsen Building Products Ltd

Address 4 West Bank Road

Belfast Harbour Industrial Estate

Belfast BT3 9JL

United Kingdom

 Web
 www.larsenbuildingproducts.com

 Telephone
 +44 (0)28 9077 4000

 Fax
 +44 (0)28 9077 6945

Email I.pyper@larsenbuildingproducts.com

1.4. Emergency telephone number

Emergency	talanhona	number
Emergency	reieblione	number

(00353) 01 809 2166

Company

National Poisons Centre of Ireland

8am-10pm 7 days a week

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2.	Classificat	ion -	EC
1272/2	2008		

Skin Sens. 1: H317; Eye Dam. 1: H318;

2.2. Label elements

Hazard pictograms





Signal Word

Hazard Statement

Danger

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Eye Dam. 1: H318 - Causes serious eye damage.

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2.2. Label elements

Precautionary Statement:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.	
Prevention	P272 - Contaminated work clothing should not be allowed out of the workplace.	
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.	
Precautionary Statement:	P302+P352 - IF ON SKIN: Wash with plenty of water/ .	
Response	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/doctor/ .	
	P321 - Specific treatment (see on this label).	
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.	
Precautionary Statement:	P501 - Dispose of contents/container to appropriate waste disposal site	
Disposal		
Further information		

Further information

This product contains portland cement which contains Chromium VI. Reducing agents have been added to this product to reduce the risk of allergic dermatitis when the product is mixed with water, providing the product has been stored as directed and is within its shelf life.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Silica Sand (<1% Respirable Quartz)		14808-60-7	238-878-4		60 - 70%	
Portland Cement		65997-15-1	266-043-4		1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318;
Hardening Binder					1 - 10%	Eye Irrit. 2: H319;
Calcium Sulphate Hemihydrate (Plaster of Paris)		26499-65-0	231-900-3		1 - 10%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Carbon oxides.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Self-contained breathing apparatus. Wear protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

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6.2. Environmental precautions				
	Do not allow product to enter drains. Prevent further spillage if safe.			
6.3. Methods and material for containment and cleaning up				
	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.			
6.4. Reference to other sections				
	See section 2, 8, 13 for further information.			
SECTION 7: Handling and storage				

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

8.1.1. Exposure Limit Values

Calcium Sulphate Hemihydrate (Plaster of Paris)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
,	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Portland Cement	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4	WEL 15 min limit mg/m3 total -
	respirable dust:	respirable dust:
Silica Sand (<1% Respirable Quartz)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 0.1
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total 10	WEL 15 min limit mg/m3 total
	inhalable dust: WEL 8-hr limit mg/m3 total 4	inhalable dust: WEL 15 min limit mg/m3 total
	respirable dust:	respirable dust:

8.2. Exposure controls









8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

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8.2. Exposure controls

8.2.2. Individual protection	Appropriate dedicated workwear is generally sufficient under normal handling conditions.	
measures		
Eye / face protection	Suitable eye protection.	
Skin protection -	Wear suitable gloves.	
Handprotection		
Skin protection - Other	After contact with skin, wash immediately with plenty of water.	
Respiratory protection	Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder/Powder
Colour	Grey
Odour	Characteristic
pH	Not applicable.
Initial boiling point	Not applicable.
Upper Explosive Limit	Not applicable.
Lower Explosive Limit	Not applicable.
Vapour pressure	Not applicable.
Relative Vapour Density	Not applicable.
Partition coefficient	• • • • • • • • • • • • • • • • • • • •
(n-octanol/water)	
Autoignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not applicable.
Solubility	Slightly miscible in water

9.2. Other information

Bulk Density	≈ 1.5 g/cm³
VOC (Volatile organic	Not applicable.
compounds)	

SECTION 10: Stability and reactivity

10.1. Reactivity

10.1. Reactivity	
	Avoid contact with: Strong acids. Avoid contact with: Strong bases.
10.2. Chemical stability	
	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
	Organic materials.
10.4. Conditions to avoid	
	Heat, sparks and open flames.
Further information	
	Avoid formation of dust.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Irritating to eyes, respiratory system and skin. Contact between cement powder and body fluids (e.g. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns.	
Skin corrosion/irritation	Causes skin irritation.	

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11.1 Information on hazard class	Revision date 2024-00-2	
Serious eye damage/irritation	Causes serious eye irritation.	
Respiratory or skin sensitisation	May cause sensitisation by skin contact. Contains portland Cement (contains Chromium VI). May produce an allergic reaction.	
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met).	
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met).	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met).	
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met).	
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met).	
Repeated or prolonged exposure	Not classified (Based on available data, the classification criteria are not met).	
11.1.4. Toxicological Information	ı	
	No data available	
11.2 Information on other hazard	ds	
	No data available.	
SECTION 12: Ecological info	ormation	
12.1. Toxicity		
	No data available	
Further information		
	No known adverse environmental effects. Do not allow product to enter drains. Do not flush into surface water.	
SECTION 13: Disposal cons	iderations	
13.1. Waste treatment methods		
	Contact a licensed waste disposal company.	
General information		
	Dispose of in compliance with all local and national regulations. Eurpoean Waste Catalogue:. 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10.	
Disposal methods	·	
	Do not empty into drains; dispose of this material and its container in a safe way.	
SECTION 14: Transport info	rmation	
14.1. UN number		
	The product is not classified as dangerous for carriage.	
14.2. UN proper shipping name	·	
	The product is not classified as dangerous for carriage.	
14.3. Transport hazard class(es)	
	The product is not classified as dangerous for carriage.	
14.4. Packing group	<u> </u>	
0 0 · F	The product is not classified as dangerous for carriage.	
14.5. Environmental hazards	1 p. 22220 to that allegement do daily order for admingo.	
Environmental nazares	The product is not classified as dangerous for carriage.	
14.6. Special prosputions for us		
14.6. Special precautions for use		
	The product is not classified as dangerous for carriage.	

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14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 1 - Other means of identification / UFI.	
Text of Hazard Statements in	Skin Irrit. 2: H315 - Causes skin irritation.	
Section 3	Skin Sens. 1: H317 - May cause an allergic skin reaction.	

Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



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Highways MBM534 Pt B

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SECTION 1: Identification of the substance/mixture and of the company/undertaking			
.1. Product identifier			
Product name	Highways MBM534 Pt B		
1.2. Relevant identified uses of t	he substance or mixture and uses advised against		
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC0] Other; [PROC19] Hand-mixing with intimate contact and only PPE available; [ERC5] Industrial use resulting in inclusion into or onto a matrix;		
1.3. Details of the supplier of the	safety data sheet		
Company	Larsen Building Products Ltd		
Address	4 West Bank Road Belfast Harbour Industrial Estate Belfast BT3 9JL United Kingdom		
Web	www.larsenbuildingproducts.com		
Telephone	+44 (0)28 9077 4000		
Fax	+44 (0)28 9077 6945		
Email	I.pyper@larsenbuildingproducts.com		
1.4. Emergency telephone numb	per		
Emergency telephone number	(00353) 01 809 2166		
Company	National Poisons Centre of Ireland		
	8am-10pm 7 days a week		
SECTION 2: Hazards identification			
2.2. Label elements	2.2. Label elements		
Risk phrases	No Significant Hazard		
SECTION 3: Composition/inf	SECTION 3: Composition/information on ingredients		

SECTION 4: First aid measures

Particle Characteristics

4.1. Description of first aid measures

,	
Inhalation	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the
	eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

CONTAINS: A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one and 2-methyl-4-isothiazolin-3-one. May produce an allergic reaction.

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4.1. Description	of first a	id measures
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Ingestion May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls







8.2.1. Appropriate engineering controls

-C-- 101 (C

8.2.2. Individual protection measures

Wear suitable protective clothing.

Eye / face protection

In case of splashing, wear:. Approved safety goggles.

Ensure adequate ventilation of the working area.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance Liquid

Colour White

Odour Characteristic/Ammoniacal

pH No data available

Initial boiling point Not determined

Flash point Not determined

Upper Explosive Limit Not determined

Lower Explosive Limit Not determined

Vapour pressure

ure Not applicable.

Relative Vapour Density

Not applicable.

Partition coefficient

Not determined

(n-octanol/water)

Autoignition temperature

Not determined

Not determined

Decomposition temperature
Viscosity

Not determined

Solubility

Miscible in water

9.2. Other information

Specific gravity

1.015 - 1.035 g/cm³

VOC (Volatile organic compounds)

Not applicable.

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity
Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin
sensitisation
Germ cell mutagenicity

Not classified (Based on available data, the classification criteria are not met).

Not classified (Based on available data, the classification criteria are not met).

Not classified (Based on available data, the classification criteria are not met).

Not classified (Based on available data, the classification criteria are not met).

Not classified (Based on available data, the classification criteria are not met).

Carcinogenicity

A ---4- 4---1-14-

Not classified (Based on available data, the classification criteria are not met).

Reproductive toxicity

Not classified (Based on available data, the classification criteria are not met).

STOT-single exposure

Not classified (Based on available data, the classification criteria are not met).

STOT-repeated exposure

Not classified (Based on available data, the classification criteria are not met).

Repeated or prolonged

Aspiration hazard

Not classified (Based on available data, the classification criteria are not met).

exposure

Not classified (Based on available data, the classification criteria are not met).

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

SECTION 13: Disposal considerations

General information

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General information		
	Dispose of in compliance with all. local and national regulations.	
SECTION 14: Transport info	rmation	
14.1. UN number		
	The product is not classified as dangerous for carriage.	
14.2. UN proper shipping name		
	The product is not classified as dangerous for carriage.	
14.3. Transport hazard class(es))	
	The product is not classified as dangerous for carriage.	
14.4. Packing group		
	The product is not classified as dangerous for carriage.	
14.5. Environmental hazards		
	The product is not classified as dangerous for carriage.	
14.6. Special precautions for use	ег	
	The product is not classified as dangerous for carriage.	
14.7 Maritime Transport in bulk a	according to IMO instruments	
	The product is not classified as dangerous for carriage.	
Further information		
	The product is not classified as dangerous for carriage.	
SECTION 15: Regulatory information		

SECTION 16: Other information

Other information	
Other information Revision	This document differs from the previous version in the following areas:. 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature). 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Relative Vapour Density). 9 - 9.1. Information on basic physical and chemical properties (Freezing Point). 9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit). 9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit). 9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature). 9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)). 9 - 9.2. Other information (Product Subcategory). 9 - 9.2. Other information (Specific gravity). 11 - Acute toxicity. 11 - Skin corrosion/irritation. 11 - Respiratory or skin sensitisation.
	11 - Germ cell mutagenicity. 11 - Carcinogenicity. 11 - Reproductive toxicity. 11 - Serious eye damage/irritation. 11 - STOT-single exposure.

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Other information	
	11 - STOT-repeated exposure. 16 - Maximum content of VOC.
Product Subcategory	Primers - 30 g/l.
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

