

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Highways RRC05

Revision 3

Revision date 2019-12-12

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

#### 1.1. Product identifier

<b>Product name</b>	Highways RRC05
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Description</b>	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.
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#### 1.3. Details of the supplier of the safety data sheet

<b>Company</b>	Larsen Building Products Ltd
<b>Address</b>	4 West Bank Road Belfast Harbour Industrial Estate Belfast BT3 9JL United Kingdom
<b>Web</b>	www.larsenbuildingproducts.com
<b>Telephone</b>	+44 (0)28 9077 4000
<b>Fax</b>	+44 (0)28 9077 6945
<b>Email</b>	t.moore@larsenbuildingproducts.com

#### Intended use

	This product is intended for use as in the installations, bedding or grouting of paving for highways or pavements.
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### SECTION 2: Hazards identification

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

<b>2.1.2. Classification - EC 1272/2008</b>	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335;
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#### 2.2. Label elements

##### Hazard pictograms



##### Signal Word

Danger

##### Hazard Statement

Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 STOT SE 3: H335 - May cause respiratory irritation.

##### Precautionary Statement: Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 - Wash thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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/ . P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to

## 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.
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## 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			Acute Tox. 4: H332; STOT RE 2: H373;
Portland Cement		65997-15-1	266-043-4			Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335;
Calcium Sulphate		7778-18-9	231-900-3			
Calcium Aluminate		12005-57-1	234-470-5			Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; Eye Irrit. 2: H319; STOT SE 3: H335;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	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.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	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.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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**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.
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**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.
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**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.
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**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.
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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.1.1. Exposure Limit Values**

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

**8.2. Exposure controls**

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Suitable eye protection.
Skin protection - Handprotection	Wear suitable gloves.
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. Suitable half mask respirator with filter P2 (EN 143). Suitable half mask respirator with filter P3 (EN 143).

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Powder/Powder
<b>Colour</b>	Grey
<b>Flash point</b>	Not applicable.
<b>Solubility</b>	Slightly miscible in water

**SECTION 10: Stability and reactivity****10.1. Reactivity**

	Avoid contact with: Strong acids. Avoid contact with: Strong bases.
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**10.2. Chemical stability**

	Stable under normal conditions.
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**10.3. Possibility of hazardous reactions**

	Organic materials.
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**10.4. Conditions to avoid**

	Heat, sparks and open flames.
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**Further information**

	Avoid formation of dust.
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**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	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.
<b>Serious eye damage/irritation</b>	Acute effect.
<b>Respiratory or skin sensitisation</b>	May cause sensitisation by skin contact. Contains portland Cement (contains Chromium VI). May produce an allergic reaction.

**11.1.4. Toxicological Information**

<b>Calcium Sulphate</b>	<b>Oral Rat LD50:</b> >2,000 mg/kg
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**SECTION 12: Ecological information****Further information**

	No known adverse environmental effects. Do not allow product to enter drains. Do not flush into surface water.
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**SECTION 13: Disposal considerations****General information**

	Dispose of in compliance with all local and national regulations. European Waste Catalogue: 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10.
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**Disposal methods**

	Do not empty into drains; dispose of this material and its container in a safe way.
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**SECTION 14: Transport information****14.1. UN number**

	The product is not classified as dangerous for carriage.
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**14.2. UN proper shipping name**

	The product is not classified as dangerous for carriage.
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**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 user**

The product is not classified as dangerous for carriage.

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

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****Text of Hazard Statements in Section 3**

Acute Tox. 4: H332 - Harmful if inhaled.  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 STOT SE 3: H335 - May cause respiratory irritation.  
 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.