

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 01/08/2008 Revision date: 21/09/2023 Supersedes version of: 18/08/2015 Version: 2.0

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

#### 1.1. Product identifier

Product form Mixture :

Product name Rescobond 3000 SED4-K0F9-J00U-5H11 UFI

CAS-No. Mixture Product code 1589 Product group Finished Good

Other means of identification Alumina-Silicate Chemically Bonded Castable

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec Industrial use Function or use category Refractory

1.2.2. Uses advised against No additional information available

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

Resco Products (UK) Limited

Newbold Works, Melbourne Road, Lount

LE65 1PL Ashby-de-la-Zouch

**England** 

T 44 (0) 1530 222694

<u>UK.SDS@RescoProducts.com</u> - <u>www.RescoProducts.com</u>

#### 1.4. Emergency telephone number

: EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300 Emergency number

Outside USA & Canada +1 703-741-5970

#### **SECTION 2: Hazards identification**

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

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

Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity - Repeated exposure, Category 2 H373

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

This product contains Quartz (Fine Fraction) between 0.1 to 10% and is classified as STOT RE 2 according to criteria defined in the Regulation EC 1272/2008 and does not meet the criteria for classification as harmful according to directive 67/548/EC.

#### 2.2. Label elements

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

Hazard pictograms (CLP)





GHS08

GHS07

Signal word (CLP) Warning

Hazard statements (CLP) H373 - May cause damage to organs (respiratory tract) through prolonged or repeated

exposure (if inhaled). H315 - Causes skin irritation. H319 - Causes serious eye irritation.

Precautionary statements (CLP) P260 - Do not breathe dust.

P280 - Wear • Respiratory protection, eye protection, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 - Get medical advice/attention if you feel unwell.

#### 2.3. Other hazards

Other hazards which do not result in classification : Irritating to eyes and skin.

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
aluminium oxide, non-fibrous (1344-28-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Magnesium Oxide (1309-48-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
quartz, 1%≤conc respirable crystalline silica<10%	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
(14808-60-7)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
cristobalite EU (14464-46-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2 Mivturos

o.z. mixtures			
Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
aluminium oxide, non-fibrous	CAS-No.: 1344-28-1	10 – 20	Not classified
	EC-No.: 215-691-6		
Mono-Magnesium Phosphate	CAS-No.: 13092-66-5	5 – 10	Not classified
Magnesium Oxide	CAS-No.: 1309-48-4	1 – 5	Not classified
	EC-No.: 215-171-9		
quartz, 1%≤conc respirable crystalline silica<10%	CAS-No.: 14808-60-7	0.5 – 1	STOT RE 1, H372
	EC-No.: 238-878-4		
cristobalite EU	CAS-No.: 14464-46-1	0.1 - 0.5	STOT RE 2, H373
	EC-No.: 238-455-4		

Full text of H- and EUH-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Gently wash with plenty of soap and water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation : May cause cancer by inhalation. Danger of serious damage to health by prolonged

exposure through inhalation.

Symptoms/effects after skin contact

Symptoms/effects after eye contact

Causes skin irritation.

Causes eye irritation.

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

No additional information available

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : In case of fire, all extinguishing media allowed.

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

Fire hazard : Not flammable.

#### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering

the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Do not breathe dust. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area. On land, sweep or shovel into suitable containers.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Avoid raising

dust. Avoid contact with skin and eyes. Do not breathe dust.

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Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

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

Storage conditions : Store this product in a dry location where it can be protected from the elements.

Incompatible products : Strong bases. Strong acids.

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

No additional information available

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

aluminium oxide, non-fibrous (1344-28-1)	
Belgium - Occupational Exposure Limits	
OEL TWA	1 mg/m³
France - Occupational Exposure Limits	
VME (OEL TWA)	10 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³
	4 mg/m³
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 mg/m³ respirable dust
Magnesium Oxide (1309-48-4)	
Belgium - Occupational Exposure Limits	
OEL TWA	10 mg/m <sup>3</sup>
France - Occupational Exposure Limits	
VME (OEL TWA)	10 mg/m <sup>3</sup>
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³
UCA ACCIU Occumational Functional Limita	4 mg/m³
USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA	10 mg/m3 inholable dust
	10 mg/m³ inhalable dust
quartz, 1%≤conc respirable crystalline silica<	10% (14808-60-7)
EU - Indicative Occupational Exposure Limit (IOEL	
IOEL TWA	0.1 mg/m³ (Respirable fraction)
Belgium - Occupational Exposure Limits	
OEL TWA	0.1 mg/m <sup>3</sup>
France - Occupational Exposure Limits	
VME (OEL TWA)	0.1 mg/m³ (La valeur limite concerne la fraction alvéolaire)
Netherlands - Occupational Exposure Limits	0.075 may less (magningly also function)
TGG-8u (OEL TWA)	0.075 mg/m³ (respirabele fractie)
United Kingdom - Occupational Exposure Limits WEL TWA (OEL TWA) [1]	0.4 mg/m3
USA - ACGIH - Occupational Exposure Limits	0.1 mg/m³
ACGIH OEL TWA	0.025 mg/m³ (Respirable fraction)
	0.025 mg/m (respirable fraction)
cristobalite EU (14464-46-1)	
Belgium - Occupational Exposure Limits	0.05/2
OEL TWA	0.05 mg/m <sup>3</sup>
France - Occupational Exposure Limits	0.05
VME (OEL TWA)	0.05 mg/m³ (La valeur limite concerne la fraction alvéolaire)
Netherlands - Occupational Exposure Limits	0.075 mg/m3 (raspirabala fractia)
TGG-8u (OEL TWA)	0.075 mg/m³ (respirabele fractie)
United Kingdom - Occupational Exposure Limits	0.4 mg/m3
WEL TWA (OEL TWA) [1] USA - ACGIH - Occupational Exposure Limits	0.1 mg/m <sup>3</sup>
ACGIH OEL TWA	0.025 mg/m3 (Poppirable fraction)
8.1.2 Pecommended monitoring procedures	0.025 mg/m³ (Respirable fraction)

#### 8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

## Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations.

8.2.2. Personal protection equipment

Personal protective equipment:

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Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

## **SECTION 9: Physical and chemical properties**

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

Physical state : Solid Colour : Grey.

Appearance Granular mixture. Odour Acid Odor Odour threshold Not available Melting point > 1650 °C Not available Freezing point Boiling point Not available Flammability Not flammable Lower explosion limit Not applicable Upper explosion limit Not applicable Flash point Not applicable Auto-ignition temperature Not applicable Decomposition temperature Not available ≈ 5.4 pH solution 10% Not Applicable

. Viscosity, kinematic Solubility Slightly soluble. Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure Not available Vapour pressure at 50°C Not available Not available Density Relative density Not available Relative vapour density at 20°C Not applicable Not available Particle size

## 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available 9.2.2. Other safety characteristics No additional information available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Hydraulic setting.

#### 10.2. Chemical stability

Stable under normal conditions of use.

## 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Avoid dust formation.

## 10.5. Incompatible materials

Strong acids. Strong bases.

# 10.6. Hazardous decomposition products

No additional information available

#### SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

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aluminium oxide, non-fibrous (1344-28-1)	
LD50 oral rat	> 15900 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
Magnesium Oxide (1309-48-4)	
LD50 oral rat LD50 dermal rabbit	> 5000 mg/kg (Rat, Literature study, Oral) > 2000 mg/kg bodyweight (Rabbit, Literature study, Dermal)
Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Causes skin irritation.
aluminium oxide, non-fibrous (1344-28-1)	0. 40.57
pH	9 – 10.5 (aqueous suspension, 33 %)
Magnesium Oxide (1309-48-4)	
pH	11 (10 %)
quartz, 1%≤conc respirable crystalline silica<	
рН	6 – 7
cristobalite EU (14464-46-1)	
pH	6 – 7
	: Causes serious eye irritation.
aluminium oxide, non-fibrous (1344-28-1)	
pH	9 – 10.5 (aqueous suspension, 33 %)
Magnesium Oxide (1309-48-4)	
рН	11 (10 %)
quartz, 1%≤conc respirable crystalline silica<	<10% (14808-60-7)
рН	6 – 7
cristobalite EU (14464-46-1)	
рН	6 – 7
pH Respiratory or skin sensitisation	: Not classified
pH  Respiratory or skin sensitisation  Germ cell mutagenicity	: Not classified : Not classified
pH Respiratory or skin sensitisation	: Not classified
pH  Respiratory or skin sensitisation  Germ cell mutagenicity  Carcinogenicity  Reproductive toxicity  STOT-single exposure	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
pH  Respiratory or skin sensitisation  Germ cell mutagenicity  Carcinogenicity  Reproductive toxicity	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
pH  Respiratory or skin sensitisation  Germ cell mutagenicity  Carcinogenicity  Reproductive toxicity  STOT-single exposure	<ul> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure	<ul> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> </ul>
pH  Respiratory or skin sensitisation  Germ cell mutagenicity  Carcinogenicity  Reproductive toxicity  STOT-single exposure  STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silicas	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Mot classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica STOT-repeated exposure	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Mot classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> </ul>
pH  Respiratory or skin sensitisation  Germ cell mutagenicity  Carcinogenicity  Reproductive toxicity  STOT-single exposure  STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica  STOT-repeated exposure  cristobalite EU (14464-46-1)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica STOT-repeated exposure  cristobalite EU (14464-46-1) STOT-repeated exposure	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silicase STOT-repeated exposure  cristobalite EU (14464-46-1) STOT-repeated exposure  Aspiration hazard	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica   STOT-repeated exposure   cristobalite EU (14464-46-1)   STOT-repeated exposure   Aspiration hazard   Rescobond 3000 (Mixture)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>Not classified</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silicas STOT-repeated exposure  cristobalite EU (14464-46-1) STOT-repeated exposure  Aspiration hazard  Rescobond 3000 (Mixture)  Viscosity, kinematic	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>Not classified</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica   STOT-repeated exposure   cristobalite EU (14464-46-1)   STOT-repeated exposure   Aspiration hazard   Rescobond 3000 (Mixture)   Viscosity, kinematic   aluminium oxide, non-fibrous (1344-28-1)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>Not classified</li> <li>Not Applicable</li> </ul>
PH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica≤ STOT-repeated exposure  cristobalite EU (14464-46-1) STOT-repeated exposure  Aspiration hazard  Rescobond 3000 (Mixture)  Viscosity, kinematic  aluminium oxide, non-fibrous (1344-28-1)  Viscosity, kinematic	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> <li>&lt;10% (14808-60-7)</li> <li>Causes damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>May cause damage to organs through prolonged or repeated exposure (if inhaled).</li> <li>Not classified</li> <li>Not Applicable</li> </ul>
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silicas STOT-repeated exposure  cristobalite EU (14464-46-1) STOT-repeated exposure  Aspiration hazard  Rescobond 3000 (Mixture)  Viscosity, kinematic  aluminium oxide, non-fibrous (1344-28-1)  Viscosity, kinematic  Magnesium Oxide (1309-48-4)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> </ul> C10% (14808-60-7) Causes damage to organs through prolonged or repeated exposure (if inhaled). May cause damage to organs through prolonged or repeated exposure (if inhaled). Not classified Not Applicable Not applicable (solid) Not applicable (solid) Not applicable (solid)
pH  Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure  quartz, 1%≤conc respirable crystalline silica   STOT-repeated exposure   cristobalite EU (14464-46-1)   STOT-repeated exposure   Aspiration hazard   Rescobond 3000 (Mixture)   Viscosity, kinematic   Magnesium Oxide (1309-48-4)   Viscosity, kinematic	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).</li> </ul> C10% (14808-60-7) Causes damage to organs through prolonged or repeated exposure (if inhaled). May cause damage to organs through prolonged or repeated exposure (if inhaled). Not classified Not Applicable Not applicable (solid) Not applicable (solid) Not applicable (solid)

## 11.2. Information on other hazards

# **11.2.1. Endocrine disrupting properties**No additional information available

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Potential adverse human health effects and : Based on available data, the classification criteria are not met

symptoms

#### **SECTION 12: Ecological information**

## 12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

alullillilli   Oxide.   Iloli-libi ous ( 1344-20-1	ibrous (1344-28-1)	aluminium oxide	a
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LC50 - Fish [1]	> 100 mg/l (96 h, Salmo trutta, Literature study)
EC50 - Crustacea [1]	> 100 mg/l (48 h, Daphnia magna, Literature study)

# 12.2. Persistence and degradability

#### **Rescobond 3000 (Mixture)**

Persistence and degradability Not established.

#### aluminium oxide, non-fibrous (1344-28-1)

Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

#### Magnesium Oxide (1309-48-4)

Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

## quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

## cristobalite EU (14464-46-1)

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

## 12.3. Bioaccumulative potential

#### **Rescobond 3000 (Mixture)**

Bioaccumulative potential Not established.

# aluminium oxide, non-fibrous (1344-28-1)

Bioaccumulative potential No data available.

# Magnesium Oxide (1309-48-4)

Bioaccumulative potential No bioaccumulation data available.

## quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)

Bioaccumulative potential No bioaccumulation data available.

## **cristobalite EU (14464-46-1)**

Bioaccumulative potential No data available.

#### 12.4. Mobility in soil

#### aluminium oxide, non-fibrous (1344-28-1)

Surface tension	No data available in the literature
Ecology - soil	No data available.

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Magnesium Oxide (1309-48-4)	
Surface tension	No data available in the literature
Ecology - soil	No data available.
quartz, 1%≤conc respirable crystalline silica<	:10% (14808-60-7)
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.
cristobalite EU (14464-46-1)	
Ecology - soil	No data available.
12.5. Results of PBT and vPvB assessment	
Component	
aluminium oxide, non-fibrous (1344-28-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Magnesium Oxide (1309-48-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
quartz, 1%≤conc respirable crystalline silica<10%	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
(14808-60-7)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
cristobalite EU (14464-46-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials Avoid release to the environment.

#### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / RID

#### 14.1. UN number or ID number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) Not regulated Proper Shipping Name (IMDG) Not regulated Not regulated Proper Shipping Name (IATA) Not regulated Proper Shipping Name (RID)

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

**ADR** 

Transport hazard class(es) (ADR) : Not regulated

**IMDG** 

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

Transport hazard class(es) (RID) : Not regulated

# 14.4. Packing group

Packing group (ADR) Not regulated Packing group (IMDG) Not regulated Packing group (IATA) Not regulated Packing group (RID) Not regulated

#### 14.5. Environmental hazards

Dangerous for the environment No Marine pollutant No

Other information No supplementary information available

#### 14.6. Special precautions for user

## **Overland transport**

Not regulated

Transport by sea

Not regulated

Air transport Not regulated

Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

**REACH Annex XVII (Restriction List)** 

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

**REACH Annex XIV (Authorisation List)** 

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)** 

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)** 

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)** 

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Explosives Precursors Regulation (2019/1148)** 

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)** 

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

#### **France**

Occupational diseases	
Code	Description
RG 25	Diseases resulting from the inhalation of mineral dust containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite or coal.

#### Germany

**Employment restrictions** 

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK)

 Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV).

Hazardous Incident Ordinance (12. BlmSchV)

Netherlands

: cristobalite,quartz are listed

SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen

None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

None of the components are listed None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid

: None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product

Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

The requirements from the Danish Working Environment Authorities regarding work with

carcinogens must be followed during use and disposal

#### **Switzerland**

Storage class (LK)

: LK 6.1 - Toxic materials

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Other information

: Report language name. English. In the event of any conflict between the English and other language versions, the English version shall prevail.

Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

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