

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/30/2017 Revision date: 03/30/2017 Supersedes: 01/07/2016

# **SECTION 1: Identification**

1.1. Identification

Product form : Mixtures

Product name : Rescobond AA-22S

CAS-No. : Mixture Product code : 0342

Other means of identification : Alumina-Silicate Chemically Bonded Castable

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Refractory 1.3. Supplier

Resco Products, Inc.

One Robinson Plaza, Suite 300 6600 Steubenville Pike

Pittsburgh, PA 15205 - United States

412-494-4491

SDS@RescoProducts.com - WWW.RescoProducts.com

1.4. Emergency telephone number

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

Outside USA & Canada +1 703-741-5970

# SECTION 2: Hazard(s) identification

# 2.1. Classification of the substance or mixture

**GHS-US** classification

Skin corrosion/irritation H315 Causes skin irritation Category 2
Serious eye damage/eye H320 Causes eye irritation

irritation Category 2B

Carcinogenicity Category H350 May cause cancer (Inhalation)

1A

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

**GHS-US** labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H315 - Causes skin irritation H320 - Causes eye irritation

H350 - May cause cancer (Inhalation)

Precautionary statements (GHS-US) : P280 - Wear eye protection, Dust respirator, protective gloves

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

P260 - Do not breathe dust

# 2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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

3.1. Substances

Not applicable

3.2. Mixtures

J.Z. MIXTUICS			
Name	Product identifier	%	GHS-US classification
aluminium oxide, non-fibrous	(CAS-No.) 1344-28-1	50 - 75	Not classified
Mono-Magnesium Phosphate	(CAS-No.) 13092-66-5	5 - 10	Not classified
Magnesium Oxide	(CAS-No.) 1309-48-4	1 - 5	Not classified
quartz	(CAS-No.) 14808-60-7	1 - 5	Carc. 1A, H350
cristobalite	(CAS-No.) 14464-46-1	0.1 - 0.5	Carc. 1A, H350

Full text of hazard classes and H-statements : see section 16

03/30/2017 EN (English US) Page 1

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### **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 victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse.

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 (acute and delayed)

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

through inhalation.
: Causes skin irritation.

Symptoms/effects after eye contact : Causes eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

Symptoms/effects after skin contact

# **SECTION 5: Fire-fighting measures**

5.1. Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media : No unsuitable extinguishing media known.

5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.
Reactivity : Hydraulic setting.

5.3. Special protective equipment and precautions for fire-fighters

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

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.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

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. Minimize generation of dust.

6.4. Reference to other sections

See Heading 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.

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.

ACGIH TWA (mg/m3)

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

# 8.1. Control parameters

**ACGIH** 

aluminium oxide, non-fibrous (1344-28-1)			
ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (Aluminium, insoluble compounds; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)	
Magnesium Oxide (1309-48-4)			
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (Magnesium oxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)	
Mono-Magnesium Phosphate (13092-66-5)			
Not applicable			
cristobalite (14464-46-1)			
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ respirable dust	
OSHA	OSHA PEL (TWA) (mg/m³)	0.05 mg/m³ respirable dust	
guartz (14808-60-7)			

03/30/2017 EN (English US) 2/6

0.025 mg/m³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure

limit 8 h: TLV - Adopted Value: Respirable fraction)

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

quartz (14808-60-7)		
OSHA	OSHA PEL (TWA) (mg/m³)	0.05 mg/m³ Respirable fraction

#### 8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

# Personal protective equipment:

Avoid all unnecessary exposure.

# Hand protection:

Wear protective gloves

#### Eye protection:

Chemical goggles or safety glasses

# Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear appropriate mask

#### Other information:

Melting point

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

Appearance : Granular mixture.
Color : Light gray
Odor : Acid Odor
Odor threshold : Not applicable
pH : No data available

: > 2000 °F

Freezing point : Not applicable : Not applicable Boiling point Critical temperature Not applicable Critical pressure Not applicable Not applicable Flash point Relative evaporation rate (butyl acetate=1) Not applicable Relative evaporation rate (ether=1) Not applicable Flammability (solid, gas) Non flammable. Not Applicable Vapor pressure Not Applicable Vapor pressure at 50 °C Relative vapor density at 20 °C No data available

Relative density :  $\approx 2.7$ 

Solubility Slightly soluble. Log Pow : No data available Auto-ignition temperature : Not applicable Decomposition temperature No data available Not Applicable Viscosity Viscosity, kinematic Not Applicable Viscosity, dynamic : Not Applicable Not applicable **Explosion limits** Explosive properties No data available Oxidizing properties : No data available

# **9.2.** Other information No additional information available

**SECTION 10: Stability and reactivity** 

# 10.1. Reactivity

Hydraulic setting.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Avoid dust formation.

03/30/2017 EN (English US) 3/6

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.5. Incompatible materials Strong acids. Strong bases.	
<b>10.6. Hazardous decomposition products</b> No additional information available	
<b>SECTION 11: Toxicological information</b>	on
11.1. Information on toxicological effects	Not described
Acute toxicity aluminium oxide, non-fibrous (1344-28-1)	: Not classified
LD50 oral rat	> 15900 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
	> 13300 mg/kg body weight (Nat, Equivalent of Similar to OEOD 401, Experimental value)
Magnesium Oxide (1309-48-4) LD50 oral rat	5000 mg/kg (Dati Litaratura atudi)
LD50 dermal rabbit	> 5000 mg/kg (Rat; Literature study)
	> 2000 mg/kg body weight (Rabbit; Literature study)
Skin corrosion/irritation Serious eye damage/irritation	: Causes skin irritation. : Causes eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (Inhalation).
cristobalite (14464-46-1)	4. Consideration to business
IARC group	1 - Carcinogenic to humans
quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure Specific target organ toxicity – repeated	: Not classified : Not classified
exposure	. Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms Symptoms/effects after inhalation	: May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure
Symptomore and immatation	through inhalation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes eye irritation.
SECTION 12: Ecological information 12.1. Toxicity	
aluminium avida non fibraua (4244-20-4)	
aluminium oxide, non-fibrous (1344-28-1)	
LC50 fish 1	> 100 mg/l (NOEC; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo trutta; Flow-through system; Fresh water; Experimental value)
LC50 fish 1	system; Fresh water; Experimental value)
	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum
LC50 fish 1  EC50 Daphnia 1  Threshold limit algae 1	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
LC50 fish 1 EC50 Daphnia 1	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
LC50 fish 1  EC50 Daphnia 1  Threshold limit algae 1  Magnesium Oxide (1309-48-4)  EC50 Daphnia 1	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum
LC50 fish 1  EC50 Daphnia 1  Threshold limit algae 1  Magnesium Oxide (1309-48-4)  EC50 Daphnia 1  12.2. Persistence and degradability	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
LC50 fish 1  EC50 Daphnia 1  Threshold limit algae 1  Magnesium Oxide (1309-48-4)  EC50 Daphnia 1  12.2. Persistence and degradability  Rescobond AA-22S (Mixture)	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4)  EC50 Daphnia 1  12.2. Persistence and degradability  Rescobond AA-22S (Mixture)  Persistence and degradability	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability aluminium oxide, non-fibrous (1344-28-1)	system; Fresh water; Experimental value) > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna) > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4)  EC50 Daphnia 1  12.2. Persistence and degradability  Rescobond AA-22S (Mixture)  Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1)  Persistence and degradability  Biochemical oxygen demand (BOD)	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability  Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability  Biochemical oxygen demand (BOD) Chemical oxygen demand (COD)	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable
LC50 fish 1  EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4)	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable  Not applicable
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable  Not applicable  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Biodegradability: not applicable.
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability ThOD	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable  Not applicable
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability ThOD  cristobalite (14464-46-1)	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665,TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable  Not applicable  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable  Not applicable  Biodegradability: not applicable. No (test) data on mobility of the substance available.  Not applicable (inorganic)
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability ThOD  cristobalite (14464-46-1) Persistence and degradability	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665, TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Not applicable Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable (inorganic)
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability ThOD  cristobalite (14464-46-1) Persistence and degradability Biochemical oxygen demand (BOD)	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665, TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Not applicable Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable (inorganic)  Biodegradability: not applicable. Not applicable Not applicable
EC50 Daphnia 1 Threshold limit algae 1  Magnesium Oxide (1309-48-4) EC50 Daphnia 1  12.2. Persistence and degradability Rescobond AA-22S (Mixture) Persistence and degradability  aluminium oxide, non-fibrous (1344-28-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  Magnesium Oxide (1309-48-4) Persistence and degradability ThOD  cristobalite (14464-46-1) Persistence and degradability	system; Fresh water; Experimental value)  > 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)  > 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)  500-665, TLM; 96 h; Mysidacea  Not established.  Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Not applicable Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable Not applicable Biodegradability: not applicable. No (test) data on mobility of the substance available. Not applicable (inorganic)

03/30/2017 EN (English US) 4/6

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

quartz (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable. No (test) data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

12.3. Bioaccumulative potential	
Rescobond AA-22S (Mixture)	
Bioaccumulative potential	Not established.
aluminium oxide, non-fibrous (1344-28-	1)
Bioaccumulative potential	No bioaccumulation data available.
Magnesium Oxide (1309-48-4)	
Bioaccumulative potential	Bioaccumulation: not applicable.
cristobalite (14464-46-1)	
Bioaccumulative potential	No bioaccumulation data available.
quartz (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

#### **Mobility in soil**

No additional information available

#### Other adverse effects

No known effects from this product. Effect on the global warming

None known

No known effects from this product. **GWPmix** comment

# **SECTION 13: Disposal considerations**

# **Disposal 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**

**Department of Transportation (DOT)** 

In accordance with DOT

Not regulated

**Transportation of Dangerous Goods** 

Not regulated Transport by sea

Not regulated

Air transport

# Not regulated

# **SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

Subject to reporting requirements of United States SARA Section 313

# 15.2. International regulations

# **CANADA**

No additional information available

# Mono-Magnesium Phosphate (13092-66-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

**EU-Regulations** 

No additional information available

**National regulations** 

# quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

#### 15.3. US State regulations

Rescobond AA-22S (Mixture)	
U.S California - Proposition 65 - Other	This product contains crystalline silica, a chemical known to the state of California to cause
information	cancer.

03/30/2017 EN (English US) 5/6

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

cristobalite (14464-46-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
quartz (14808-60-7)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

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

U.S. - New Jersey - Right to Know Hazardous Substance List

# Magnesium Oxide (1309-48-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

# cristobalite (14464-46-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

# quartz (14808-60-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

# **SECTION 16: Other information**

Revision date

: 03/30/2017

Other information

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

# Full text of H-phrases:

H315	Causes skin irritation
H320	Causes eye irritation
H350	May cause cancer

#### SDS US (GHS HazCom 2012)

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

03/30/2017 EN (English US) 6/6