

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/15/2015 Revision date: 7/7/2025 Supersedes: 7/18/2022

.1. Identification				
roduct form	: Mixture			
roduct name AS-No.	: Lid Seal : Mixture	: Lid Seal		
roduct code	: 3277			
ther means of identification	: Alumina-Silicate	Wet Air Set Mortar-Slur	у	
2. Recommended use and restrictions of				
lse of the substance/mixture Recommended use	: Refractory : Industrial use			
I.3. Supplier	. Industrial use			
RHI Magnesita Dne Robinson Plaza, Suite 300 5600 Steubenville Pike Pittsburgh, PA, 15205 Jnited States F 412-494-4491 Resco SDS.TDS@rhimagnesita.com - WWW.Res	scoProducts.com			
1.4. Emergency telephone number				
Emergency number		NLY (CHEMTREC) US/ Canada +1 703-741-597		00-424-9300
SECTION 2: Hazard(s) identification		anaua +1 703-741-597	J	
2.1. Classification of the substance or mi	xturo			
2.1. Classification of the substance of mi GHS-US classification	Alufe			
Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2B Carcinogenicity, Category 1A Full text of H-statements: see section 16	F	1320 Causes	skin irritation. eye irritation se cancer (After	drying or heating, Inhalation).
2.2. GHS Label elements, including preca	utionary statements	S		
GHS US labelling	•	•		
Hazard pictograms (GHS US) Signal word (GHS US)	: Danger			
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	: H315 - Causes sl			
Hazard pictograms (GHS US) Signal word (GHS US)	 H315 - Causes sl H319 - Causes sl H350 - May caus P202 - Do not ha P280 - Wear eye P305+P351+P33 contact lenses, if P332+P313 - If sl 	erious eye irritation. e cancer (After drying o ndle until all safety prec protection, protective g 8 - IF IN EYES: Rinse c present and easy to do kin irritation occurs: Get	autions have be oves, protective autiously with w Continue rinsin medical advice	en read and understood. e clothing. vater for several minutes. Remove ng. /attention.
łazard pictograms (GHS US) Signal word (GHS US) łazard statements (GHS US) Precautionary statements (GHS US)	 H315 - Causes sl H319 - Causes sl H350 - May caus P202 - Do not ha P280 - Wear eye P305+P351+P33 contact lenses, if P332+P313 - If sl P337+P313 - If sl 	erious eye irritation. e cancer (After drying o ndle until all safety prec protection, protective g 8 - IF IN EYES: Rinse o present and easy to do	autions have be oves, protective autiously with w Continue rinsin medical advice	en read and understood. e clothing. vater for several minutes. Remove ng. /attention.
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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 First-aid measures after skin contact	 Allow affected person to breathe fresh air. Allow the victim to rest. Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before
The sures are skill contact	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	
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: After drying or heating. Danger of serious damage to health by prolonged exposure through
Symptoms/effects after skin contact	inhalation. May cause cancer by inhalation. : Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
4.3. Immediate medical attention and speci	
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	1 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 chem	nical
Fire hazard	: Not flammable.
Explosion hazard	: Prolonged exposure to fire may cause containers to rupture/explode.
5.3. Special protective equipment and prec	-
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. 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 measure	res
6.1. Personal precautions, protective equip	ment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures 6.1.2. For emergency responders	: If spilled, may cause the floor to be slippery.
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop release.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify au	
6.3. Methods and material for containment	
For containment Methods for cleaning up	 Plug the leak, cut off the supply. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage
6.4. Reference to other sections	spillage.
See Section 8. Exposure controls and personal prote	ection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with eyes. Avoid contact with skin.
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 a	
Storage conditions	: Store in original container. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
SECTION 8: Exposure controls/person	al protection
8.1. Control parameters	

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quartz (14808-60-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	0.025 mg/m ³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
USA - OSHA - Occupational Exposure Limits	
Local name	Silica, crystalline quartz, respirable dust
OSHA PEL TWA	0.05 mg/m ³ respirable dust
Remark (OSHA)	(3) See Table Z-3.
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Emergency eye wash fountain with clean water. Dust on tear out. Provide adequate ventilation to minimize dust concentrations.
8.3. Individual protection measures/Person	al 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:	
After air drying or heating. Dust when sawing or tea	ar out. Wear appropriate mask
Other information: Do not eat, drink or smoke during use.	
SECTION 9: Physical and chemical pro	operties
9.1. Information on basic physical and cher	mical properties
Physical state	: Liquid
Appearance	: Slurry.
Colour	: light brown
Odour	: earthy
Odour threshold pH	: No data available : ≈12
Melting point	. ~ 12 : > 2000 °F
Freezing point	: ≈ 32 °F
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: ≈ 1.5
Solubility	: Moderately soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Not Applicable
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
9.2. Other information No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Air Setting.	
40.2 Chamical stability	
10.2. Chemical stability	

Not established.

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log established log 4. Conditions to available log. Incompatible materials listen complexition of storage and use, hazardous decomposition products should not be produced. SECTION 11: Toxicological information SECTION 12: Section 11: Section 1	10.3. Possibility of hazardous reactions	
19.4. Conditions to available io additional information available 10.8. Incompatible materials Strong acids. Strong bases. 10.6. Hazardous decomposition products 50.6. Incompatible materials 11.0.6. Hazardous decomposition products about not be produced. 50.6. Trockcological information 11.1. Information on toxicological offects custe toxicity (cma) : Not classified custe toxicity (cman) : Causes sub infration. pit + 12 > 2000 mg/kg (Rat, Ora) Strong acids. : Strong acids. guartz (14806-80-7) fit - 13 pH 11 - 13 guartz (14808-80-7) pH pH 11 - 13 guartz (14808-80-7) pH pH 11 - 13 guartz (14808-80-7) PH pH 11 - 13 guartz (14808-80-7) PH <tr< td=""><td>-</td><td></td></tr<>	-	
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10.6. Hazardous decomposition products Inder normal conditions of storage and use, hazardous decomposition products should not be produced. SECTION 11: Toxicological information 11.1. Information on toxicological effects vicit toxicity (rafi) : Net classified Sodium silicate, alkaline 1.6/2.6, 35% >>% concessified Sodium silicate, alkaline 1.6/2.6, 35% >>% concessified Sodium silicate, alkaline 1.6/2.6, 35% >>% concessified Sodium silicate, alkaline 1.6/2.6, 35% >>% aqueous solutions (1344-09-8) LD50 oral rat > 2000 mg/kg (Rat, Oral) Sodium silicate, alkaline 1.6/2.6, 35% >>% aqueous solutions (1344-09-8) pH 1 - 1 3 quartz (14808-60-7) E pH 1 - 1 3 quartz (14808-60-7) PH + = 12 pH 1 - 1 3 quartz (14808-60-7) Whith = 1 - 3 pH 1 - 1 3 quartz (14808-60-7) Why cause cancer (After drying or heating, Inhalation). quartz (14808-60-7) Why cause cancer (After drying or heating, Inhalation). quartz (14808-60-7) Why cause cancer (After drying or heating, Inhalation). quartz (14808-60-7) Not classified	10.5. Incompatible materials	
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11.1. Information on toxicolgical effects Kule toxicity (ron) : Not classified Social toxicity (rona) : 2000 mg/kg (Rat, Orai) Social toxicity (rona) : Causes skin intration. pH: = 12 Social toxicity (rona) : Causes skin intration. pH: = 12 Social toxicity (rona) : Causes eye intration. pH: = 12 Social toxicity or skin sensitisation : Causes eye intration. pH: = 12 Social toxicity or skin sensitisation : Causes eye intration. pH: = 12 Social toxicity or skin sensitisation : Causes eye intration. pH: = 12 Social toxicity or skin sensitisation : Not classified Social toxicity or skin s	Under normal conditions of storage and use, hazardou	us decomposition products should not be produced.
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sodium silicate, alkaline 1.6/2.6, 35% <concs55%, (1344-09-8)<="" aqueous="" solutions="" td=""> pH 11 - 13 quartz (14808-60-7) pH 6 - 7 Serious eye damage/irritation : Causes eye irritation. pH := 12 sodium silicate, alkaline 1.6/2.6, 35%<concs55%, (1344-09-8)<="" aqueous="" solutions="" td=""> pH 11 - 13 quartz (14808-60-7) pH 6 - 7 quartz (14808-60-7) pH 6 - 7 espiratory or skin sensitisation : Not classified acrinogenicity : May cause cancer (After drying or heating, Inhalation). quartz (14808-60-7) I- Carcinogenic to humans Reproductive toxicity : Not classified StOT-repeated exposure : Not classified StOT-single exposure : Not classified Viscosity, kinematic : Not classified Storest, kinematic : Not classified Symptoms/effects after inhalation : After drying or heating. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. symptoms/effects after inhalation : Causes serious eye irritation. Symptoms/effects after inhalation : Causes serious eye irritation. Symptoms/effects</concs55%,></concs55%,>	Skin corrosion/irritation	
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LC50 - Fish [1] 210 mg/l (96 h, Brachydanio rerio, Pure substance)		55%, aqueous solutions (1344-09-8)
	LC50 - Fish [1]	
	EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Pure substance)

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12.2. Persistence and degradability	
Lid Seal (Mixture)	
Persistence and degradability	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
quartz (14808-60-7)	
Persistence and degradability	Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
12.3. Bioaccumulative potential	
Lid Seal (Mixture)	
Bioaccumulative potential	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
Bioaccumulative potential	No bioaccumulation data available.
quartz (14808-60-7)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55	5%, aqueous solutions (1344-09-8)
Ecology - soil	No data available.
12.5. Other adverse effects	
5 5	None known Avoid release to the environment.
SECTION 13: Disposal considerations	
13.1. Disposal methods	
	Dispose in a safe manner in accordance with local/national regulations.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA 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 present and listed as (TSCA) inventory	s Active on the United States Environmental Protection Agency Toxic Substances Control Act

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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15.2. International regulations	
CANADA No additional information available EU-Regulations No additional information available National regulations	
quartz (14808-60-7)	
Listed on IARC (International Agency for Research on 0	Cancer)
15.3. US State regulations	
Lid Seal (Mixture)	
U.S California - Proposition 65 - Other information	This product contains crystalline silica, a chemical known to the state of California to cause cancer. For more information go to WWW.P65Warnings.ca.gov

quartz (14808-60-7)					
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk	Maximum allowable
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	level (NSRL)	dose level (MADL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity	Reproductive Toxicity	· · · ·	, , , , , , , , , , , , , , , , , , ,
-		- Female	- Male		
Yes	No	No	No		

Component	State or local regulations
quartz(14808-60-7)	U.S New Jersey - Right to Know Hazardous Substance List
SECTION 16: Other information	

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 7/7/2025 Other information : Report language name. English. In the even

: 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 hazard	classes	and H	I-statements	

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

Safety Data Sheet (SDS), USA

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, RHI Magnesita 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.