

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: 7/16/2025 Supersedes: 8/5/2022

| SECTION 1: Identification | | | | | |
|---|---|---|--------------------------------------|--------------------|---------------------------------------|
| 1.1. Identification | | | | | |
| Product form Product name | : Mixture : Rescoset 85AS TR | | | | |
| CAS-No. Product code Other means of identification | : 1126 | : Mixture : 1126 : Alumina-Silicate Wet Air Set Mortar-Slurry | | | |
| 1.2. Recommended use and restrictions on | | | ar clurry | | |
| Use of the substance/mixture | : Refractory | | | | |
| Recommended use | : Industrial use | | | | |
| 1.3. Supplier | | | | | |
| RHI Magnesita One Robinson Plaza, Suite 300 6600 Steubenville Pike Pittsburgh, PA, 15205 United States T 412-494-4491 <u>Resco_SDS.TDS@rhimagnesita.com</u> - <u>WWW.Resc</u> | coProducts.com | | | | |
| 1.4. Emergency telephone number | | | | | |
| Emergency number | : EMERGENCY (| ONLY (CHEMTRE Canada +1 703-7 | | Canada 1-800 | -424-9300 |
| SECTION 2: Hazard(s) identification | | | -1-3370 | | |
| 2.1. Classification of the substance or mixed | ture | | | | |
| GHS US classification Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2B Carcinogenicity Category 1A Full text of H statements : see section 16 | | H320 C | auses skir auses eye lay cause | irritation | rying or heating, Inhalation) |
| 2.2. GHS Label elements, including precau | itionary statemen | nts | | | |
| GHS US labeling Hazard pictograms (GHS US) | | | | | |
| Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) | Danger H315 - Causes skin irritation H319 - Causes serious eye irritation H350 - May cause cancer (After drying or heating, Inhalation) P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection, protective gloves, protective clothing. 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. | | | | |
| 2.3. Other hazards which do not result in c | | eye initiation pero | | | |
| No additional information available | | | | | |
| 2.4. Unknown acute toxicity (GHS US) | | | | | |
| No additional information available | | | | | |
| SECTION 3: Composition/Information | on ingredients | | | | |
| 3.1. Substances | | | | | |
| Not applicable | | | | | |
| 3.2. Mixtures | | | | | |
| Name | | Product id | | % | GHS US classification |
| aluminium oxide, non-fibrous sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55%, a | | CAS-No.: 13 CAS-No.: 13 | | 50 – 75 10 – 20 | Not classified Skin Irrit. 2, H315 |
| Sourium Silicate, airaime 1.0/2.0, 30%≥CUNC≥30%, 8 | | GAS-NO.: 13 | 944-09-0 | 10 - 20 | Eye Irrit. 2B, H320 |
| quartz | | CAS-No.: 14 | | | Carc. 1A, H350 |
| cristobalite | | CAS-No.: 14 | 464-46-1 | 0.1 – 0.5 | Carc. 1A, H350 |
| 7/16/2025 (Bevision date) | EN | (English US) | | | |

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| Full text of hazard classes and H-statements : see s | 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 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 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. 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 serious eye irritation. | | |
| 4.3. Immediate medical attention and spec | ial treatment, if necessary | | |
| No additional information available | | | |
| SECTION 5: Fire-fighting measures | | | |
| 5.1. Suitable (and unsuitable) extinguishin | | | |
| Suitable extinguishing media Unsuitable extinguishing media | Use extinguishing media appropriate for surrounding fire. No unsuitable extinguishing media known. | | |
| 5.2. Specific hazards arising from the cher | | | |
| Fire hazard Explosion hazard | Not flammable. Prolonged exposure to fire may cause containers to rupture/explode. | | |
| 5.3. Special protective equipment and pred | · · · · · · · · · · · · · · · · · · · | | |
| Firefighting instructions | : Fight fire with normal precautions from a reasonable distance. 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 measu | | | |
| 6.1. Personal precautions, protective equip | pment 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 Emergency procedures | Equip cleanup crew with proper protection.Stop release. | | |
| 6.2. Environmental precautions | | | |
| Prevent entry to sewers and public waters. Notify a | uthorities if liquid enters sewers or public waters. | | |
| 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 | | | |
| See Heading 8. Exposure controls and personal pro | ptection. | | |
| SECTION 7: Handling and storage | | | |
| 7.1. Precautions for safe handling | | | |
| Precautions for safe handling Hygiene measures | Avoid contact with eyes. Avoid contact with skin. 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 | | | |
| Storage conditions Incompatible products | Store in original container. Keep container closed when not in use. Strong bases. Strong acids. | | |
| SECTION 8: Exposure controls/persor | | | |
| 8.1. Control parameters | | | |

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| aluminium oxide, non-fibrous (1344-28-1) | |
|---|---|
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH® TLV® TWA | 1 mg/m ³ respirable dust |
| cristobalite (14464-46-1) USA - ACGIH - Occupational Exposure Limits | |
| ACGIH® TLV® TWA | 0.025 mg/m ³ respirable dust |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL TWA | 0.05 mg/m ³ respirable dust |
| quartz (14808-60-7) | |
| USA - ACGIH - Occupational Exposure Limits ACGIH® TLV® TWA | 0.025 mg/m³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - |
| | Adopted Value; Respirable fraction) |
| USA - OSHA - Occupational Exposure Limits | |
| | Silica, crystalline quartz, respirable dust |
| OSHA PEL TWA | 0.05 mg/m ³ respirable dust (3) See Table Z-3. |
| Remark (OSHA) | (3) See Table 2-3. |
| 8.2. Appropriate engineering controls | . Emergeney eve week fountain with clean water. Dust on tear out, Dravide adequate ventilation to |
| 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/Persona | I 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 on tear out. Wear ap | propriate mask |
| Other information: Do not eat, drink or smoke during use. | |
| SECTION 9: Physical and chemical prop | perties |
| 9.1. Information on basic physical and chem | |
| | : Liquid |
| Appearance | : Slurry. |
| Color | : Gray brown |
| Odor Odor threshold | : earthy : No data available |
| pH | : > 10 |
| Melting point | : > 3000 °F |
| Freezing point | : ≈ 32 °F |
| Boiling point | : No data available |
| Flash point Relative evaporation rate (butyl acetate=1) | : No data available : No data available |
| Flammability (solid, gas) | : Not flammable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : ≈ 1.4 |
| Solubility Partition coefficient n-octanol/water (Log Pow) | : Slightly soluble. : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not Applicable |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties Oxidizing properties | : No data available : No data available |
| | |

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| 9.2. Other information | | |
|---|--|--|
| No additional information available | | |
| SECTION 10: Stability and reactivity | | |
| | | |
| 10.1. Reactivity | | |
| Air Setting. 10.2. Chemical stability | | |
| Not established. | | |
| 10.3. Possibility of hazardous reactions | | |
| Not established. | | |
| 10.4. Conditions to avoid | | |
| No additional information available | | |
| 10.5. Incompatible materials | | |
| Strong acids. Strong bases. | | |
| 10.6. Hazardous decomposition products | | |
| Under normal conditions of storage and use, hazardous | decomposition products should not be produced. | |
| SECTION 11: Toxicological information | | |
| 11.1. Information on toxicological effects | | |
| | Not classified | |
| | Not classified Not classified | |
| sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55 | | |
| LD50 oral rat | > 2000 mg/kg (Rat, Oral) | |
| | | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| LD50 oral rat | > 15900 mg/kg body weight (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)) | |
| | Causes skin irritation. pH: > 10 | |
| sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55 | 5%, aqueous solutions (1344-09-8) | |
| рН | 11 – 13 | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| рН | 9 – 10.5 (aqueous suspension, 33 %) | |
| cristobalite (14464-46-1) | · | |
| pH | 6 – 7 | |
| quartz (14808-60-7) | 1 | |
| pH | 6 – 7 | |
| Serious eye damage/irritation : | Causes eye irritation. | |
| | pH: > 10 | |
| sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55 | 11 – 13 | |
| рН | 11 - 13 | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| pH | 9 – 10.5 (aqueous suspension, 33 %) | |
| cristobalite (14464-46-1) | | |
| рН | 6 – 7 | |

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| quartz (14808-60-7) | | |
|--|--|--|
| pH | 6 – 7 | |
| Germ cell mutagenicity : | Not classified Not classified May cause cancer (After drying or heating, Inhalation). | |
| quartz (14808-60-7) | | |
| IARC group | 1 - Carcinogenic to humans | |
| STOT-single exposure:STOT-repeated exposure:Aspiration hazard: | Not classified Not classified Not classified Not classified Not Applicable | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| Viscosity, kinematic | Not applicable (solid) | |
| symptoms Symptoms/effects after inhalation : | Based on available data, the classification criteria are not met. After drying or heating. May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation. Causes skin irritation. | |
| | Causes serious eye irritation. | |
| SECTION 12: Ecological information | | |
| 12.1. Toxicity | | |
| sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5 | 5%, aqueous solutions (1344-09-8) | |
| LC50 - Fish [1] | 210 mg/l (96 h, Brachydanio rerio, Pure substance) | |
| EC50 - Crustacea [1] | 216 mg/l (96 h, Daphnia magna, Pure substance) | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| 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 | | |
| Rescoset 85AS TR (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 | |
| aluminium oxide, non-fibrous (1344-28-1) | | |
| Persistence and degradability | Not applicable. | |
| Chemical oxygen demand (COD) | Not applicable | |
| ThOD | Not applicable | |
| cristobalite (14464-46-1) | | |
| Persistence and degradability | Mineral, Not applicable. | |
| Chemical oxygen demand (COD) | Not applicable | |
| ThOD | Not applicable | |
| BOD (% of ThOD) | Not applicable | |

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| 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 | |
| Rescoset 85AS TR (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. |
| aluminium oxide, non-fibrous (1344-28-1) | |
| Bioaccumulative potential | No data available. |
| cristobalite (14464-46-1) | |
| Bioaccumulative potential | No 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≤5 | 5%, aqueous solutions (1344-09-8) |
| Ecology - soil | No data available. |
| aluminium oxide, non-fibrous (1344-28-1) | |
| Surface tension | Not applicable (water solubility < 1 mg/l) |
| Ecology - soil | No data available. |
| cristobalite (14464-46-1) | |
| Ecology - soil | No data available. |
| 12.5. Other adverse effects | |
| | None known |
| Other information : SECTION 13: Disposal considerations | Avoid release to the environment. |
| 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 a (TSCA) inventory | s Active on the United States Environmental Protection Agency Toxic Substances Control Act |

(TSCA) inventory

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| | | , 0 | | | |
|--|--|---|---|------------------------------------|-------------------------|
| aluminium oxide, non | | | | | |
| | quirements of the United Sta | | | | |
| Note | Note: The section 313 che | | | | |
| | contained in this product is | | | ial. Only manufacturing | g, processing, or |
| 45.0 Internetional rear | otherwise use of aluminum | oxide in the fibrous form | i triggers reporting. | | |
| 15.2. International regu CANADA | ulations | | | | |
| aluminium oxide, non | -fibrous (1311-28-1) | | | | |
| | SL (Domestic Substances Lis | st) | | | |
| Listed on the Canadian Do | De (Domestic Substances El | 51) | | | |
| cristobalite (14464-46 | -1) | | | | |
| | SL (Domestic Substances Li | st) | | | |
| EU-Regulations | | | | | |
| No additional information a | vailable | | | | |
| National regulations | | | | | |
| quartz (14808-60-7) | | <u> </u> | | | |
| | nal Agency for Research on | Cancer) | | | |
| 15.3. US State regulati | | | | | |
| Rescoset 85AS TR (M | | T | | | |
| U.S California - Proposition 65 - Other information This product contains crystalline silica, a chemical known to the state of cancer. For more information go to WWW.P65Warnings.ca.gov | | | of California to cause | | |
| | | | | | |
| cristobalite (14464-46 | | | | | |
| U.S California - | U.S California - | U.S California - | U.S California - | No significant risk | Maximum allowable |
| Proposition 65 - | Proposition 65 - Developmental Toxicity | Proposition 65 - Reproductive Toxicity | Proposition 65 - Reproductive Toxicity | level (NSRL) | dose level (MADL) |
| Carcinogens List | | - Female | - Male | | |
| Yes | No | No | No | | |
| 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 | | |
| 5 | 1 5 | - Female | - Male | | |
| Yes | No | No | No | | |
| | | | | | |
| Component | | State or local regul | | | |
| aluminium oxide, non-fibrous(1344-28-1) | | U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List | | | |
| cristobalite(14464-46-1) | | U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous | | | |
| | | Substance List; U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List | | | |
| quartz(14808-60-7) | | U.S New Jersey - Rig | ght to Know Hazardous | Substance List | |
| SECTION 16: Other | | | | | |
| | ter / Vol. 77, No. 58 / Monda | | s and Regulations | | |
| Revision date | | 7/16/2025 | Enalish Indhe averated | and a sufficient in a first second | |
| Other information | : | Report language name. | 5 | any conflict between E | nglish and other langua |
| | : | Report language name. versions, the English ve | 5 | any conflict between E | nglish and other langua |

| Full text of hazard classes and H-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, 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.