

## SAFETY DATA SHEET

# RS-595

### SECTION 1 - IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**DISTRIBUTED BY:** Crown Products & Services, Inc.  
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Gillette, WY 82716  
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**EMERGENCY:** CHEMTREC (USA)  
(800) 424-9300

**PRODUCT NAME:** RS-595  
**SYNONYMS:** RS-595-SR  
WR-595

**INTENDED USE:** Road Base Stabilizer  
Walkway Repair

### SECTION II - HAZARDS IDENTIFICATION

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Carc. 1A;H350	May cause cancer.
STOT RE 2;H373	May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (Lungs)

#### LABEL ELEMENTS:



**Danger!**

## RS-595

## SECTION II - HAZARDS IDENTIFICATION (cont.)

**PRECAUTIONARY STATEMENTS:**

- H315 Causes skin irritation  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H350 May cause cancer.  
H373 May cause damage to organs through prolonged or repeated exposure

- Prevention:** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/eye protection/face protection.

- Response:** P302+352 IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do - continue rinsing.  
P308+313 IF EXPOSED OR CONCERNED: Get medical advice/attention.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P314 Get Medical advice/attention if you feel unwell.  
P321 Specific treatment (see information on this label).  
P333+313 If skin irritation or a rash occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.

- Storage:** P403+233 Store in a well ventilated place. Keep container tightly closed.

- Disposal:** P501 Dispose of contents/container in accordance with local/national regulations.

## RS-595

## SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Calcium Carbonate CAS Number: 0001317-65-3	25 - 50	Not Classified	[1] [2]
Calcium oxide CAS Number: 0001305-78-8	10 - 25	Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335	[1] [2]
Cement Kiln Dust CAS Number: 0065997-15-1	5 - 10	Skin Irrit. 2;H315 Eye Dam. 1;H318 Skin Sens. 1;H317	[1] [2]
Crystalline Silica - Quartz CAS Number: 0014808-60-7	1 - 5	Acute Tox. 4;H332 STOT RE 2;H373 Carc. 1A;H350	[1] [2]
Nuisance Dusts (Particulates not otherwise regulated) CAS Number: Proprietary	1 - 5	Not Classified	[1] [2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## SECTION IV - FIRST AID MEASURES

## DESCRIPTION OF FIRST AID MEASURES

**GENERAL:** In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

# RS-595

## SECTION IV - FIRST AID MEASURES (cont.)

### DESCRIPTION OF FIRST AID MEASURES (cont.)

- EYES:** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- INGESTION:** If swallowed obtain immediate medical attention. Keep at rest.  
Do NOT induce vomiting.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- OVERVIEW:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Direct skin and eye contact with dust may cause irritation by mechanical abrasion. Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure. Treat symptomatically. See section 2 for further details.
- EYES:** Causes serious eye damage.
- SKIN:** May cause an allergic skin reaction. Causes skin irritation.

## SECTION V - FIREFIGHTING MEASURES

### EXTINGUISHING MEDIA:

- LARGE FIRE: Water spray, fog or regular foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Hazardous decomposition: No hazardous decomposition data available.  
Do not breathe dust / fume / gas / mist / vapors / spray.

### ADVICE FOR FIRE-FIGHTERS

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

# RS-595

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Put on appropriate personal protective equipment (see section 8).

**ENVIRONMENTAL PRECAUTIONS:** Minimize uncured product exposure with streams and waterways. Product increases pH during cure then neutralizes.  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Avoid generating dust.

**Small Dry Spills:** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

**Large Spills:** Cover powder spill with plastic sheet or tarp to minimize spreading.

## SECTION VII - HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Handle containers carefully to prevent damage and spillage. Handle and open container with care. Use only with adequate ventilation. Minimize dust generation and accumulation. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.  
See section 2 for further details. - [Prevention]:

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed. Store in a cool, dry, well-ventilated place. Incompatible materials: No data available.  
See section 2 for further details. - [Storage]:

**SPECIFIC END USE(S):** No data available.

# RS-595

## SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

**EXPOSURE:**

CAS No.	Ingredient	Source	Value
0001305-78-8	Calcium Oxide	OSHA	TWA 5 mg/m <sup>3</sup>
		ACGIH	TWA 2 mg/m <sup>3</sup>
		NIOSH	TWA 2 mg/m <sup>3</sup>
		Supplier	No Established Limit
0001317-65-3	Calcium Carbonate	OSHA	TWA: 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		ACGIH	TWA: 10 mg/m <sup>3</sup> Ceiling: 20 mg/m <sup>3</sup>
		NIOSH	TWA 10 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		Supplier	No Established Limit
0014808-60-7	Crystalline Silica - Quartz	OSHA	PEL 50 µg/m <sup>3</sup>
		ACGIH	TWA: 0.025 mg/m <sup>3</sup>
		NIOSH	0.05 mg/m <sup>3</sup> TWA (respirable)
		Supplier	No Established Limit
0065997-15-1	Cement Kiln Dust	OSHA	TWA 50 mppcf
		ACGIH	TWA: 10 mg/m <sup>3</sup>
		NIOSH	TWA 10 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		Supplier	No Established Limit
Proprietary	Nuisance Dusts (Particulates not otherwise regulated)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

NOTE: The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m<sup>3</sup> (50 mppcf\*) TWA, ACGIH 10 mg/m<sup>3</sup>.

## RS-595

## SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION (cont.)

## EXPOSURE CONTROLS:

- Respiratory:** For limited exposure, use an N95 dust mask. For prolonged exposure, use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
- Eyes:** Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
- Skin:** Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.
- Engineering Controls:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	<b>Dry, Course Granular Product Solid</b>
<b>Odor:</b>	<b>Not Provided</b>
<b>Odor Threshold:</b>	<b>Not Determined</b>
<b>pH:</b>	<b>Not Measured</b>
<b>Melting Point/Freezing Point:</b>	<b>Not Measured</b>
<b>Initial Boiling Point&amp; Boiling Range:</b>	<b>Not Measured</b>
<b>Flashpoint:</b>	<b>Not Measured</b>
<b>Evaporation Rate (Ether = 1)</b>	<b>Not Measured</b>
<b>Flammability (solid, gas)</b>	<b>Not Applicable</b>
<b>Upper/Lower Flammability or Explosive Limits:</b>	<b>Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured</b>
<b>Vapor Pressure (Pa):</b>	<b>Not Measured</b>
<b>Vapor Density</b>	<b>Not Measured</b>
<b>Specific Gravity</b>	<b>Not Measured</b>
<b>Solubility in Water</b>	<b>Not Measured</b>
<b>Partition Coefficient n-octanol/water (Log Kow)</b>	<b>Not Measured</b>
<b>Auto-ignition Temperature</b>	<b>Not Measured</b>
<b>Decomposition Temperature</b>	<b>Not Measured</b>
<b>Viscosity (cSt)</b>	<b>Not Measured</b>

# RS-595

## SECTION X - STABILITY AND REACTIVITY

<b>REACTIVITY:</b>	Hazardous Polymerization will not occur.
<b>CHEMICAL STABILITY:</b>	Stable under normal circumstances.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	No data available.
<b>CONDITIONS TO AVOID:</b>	Avoid generating dust. Reacts with water/liquid & gives off heat (Exothermic)
<b>INCOMPATIBLE MATERIALS:</b>	No data available.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	No hazardous decomposition data available.

## SECTION XI - TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY:

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Calcium Carbonate - (1317-65-3)	No data available	No data available	No data available	No data available	No data available
Calcium Oxide - (1305-78-8)	No data available	No data available	No data available	No data available	No data available
Cement Kiln Dust - (65997-15-1)	No data available	No data available	No data available	No data available	No data available
Crystalline Silica - Quartz - (14808-60-7)	No data available	No data available	No data available	No data available	No data available
Nuisance Dusts (Particulates not otherwise regulated)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).



# RS-595

**SECTION XI - TOXICOLOGICAL INFORMATION (cont.)**
**CARCINOGEN DATA:**

CAS No.	Ingredient	Source	Value
0001305-78-8	Calcium Oxide	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-65-3	Calcium Carbonate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014808-60-7	Crystalline Silica - Quartz	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0065997-15-1	Cement Kiln Dust	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Nuisance Dusts (Particulates not otherwise regulated)	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

# RS-595

**SECTION XI - TOXICOLOGICAL INFORMATION (cont.)**

**TOXICITY:** No additional information provided for this product.  
 See Section 3 for chemical specific data.

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	1A	May cause cancer
Reproductive toxicity	---	May damage fertility. Suspected of damaging the unborn child.
STOT-single exposure	3	May cause respiratory irritation.
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

# RS-595

## SECTION XII - ECOLOGICAL INFORMATION

### AQUATIC ECOTOXICITY:

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Calcium carbonate - (1317-65-3)	Not Available	Not Available	Not Available
Calcium Oxide - (1305-78-8)	Not Available	Not Available	Not Available
Cement Kiln Dust - (65997-15-1)	Not Available	Not Available	Not Available
Crystalline Silica - Quartz - (14808-60-7)	Not Available	Not Available	Not Available
Nuisance Dusts (Particulates not otherwise regulated)	Not Available	Not Available	Not Available

**PERSISTENCE AND DEGRADABILITY:** There is no data available on the preparation itself.

**BIOACCUMULATIVE POTENTIAL:** Not Measured.

**MOBILITY IN SOIL:** No data available.

**RESULTS OF PBT and vPvB ASSESSMENT:** This product contains no PBT/vPvB chemicals.

**OTHER ADVERSE EFFECTS:** No data available.

## SECTION XIII - DISPOSAL INFORMATION

**WASTE TREATMENT METHODS:** Observe all federal, state and local regulations when disposing of this substance.

# RS-595

## SECTION XIV - TRANSPORTATION INFORMATION

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
	<b>DOT Hazard Class</b>	<b>IMDG</b>	<b>Air Class:</b>
<b>Transport Hazard class(es)</b>	Not Applicable	Not Applicable Sub Class: Not Applicable	Not Applicable
<b>Packaging Group</b>	Not Applicable	Not Applicable	Not Applicable

### ENVIRONMENTAL HAZARDS:

**IMDG:** Marine Pollutant: No  
**SPECIAL PRECAUTIONS FOR USER:** No further information

## SECTION XV - REGULATORY INFORMATION

**REGULATORY OVERVIEW:** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA):** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS 1988 Classification:** D2A E

### US EPA Tier II Hazards:

**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** Yes  
**Delayed (Chronic):** Yes

Note: Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at [http://www.oehha.ca.gov/prop65/CRNR\\_notices/admin\\_listing/intent\\_to\\_list/noil19b4.html](http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html).) ]

## RS-595

## SECTION XV - REGULATORY INFORMATION (cont.)

<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	Crystalline Silica - Quartz
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	ARSENIC AND SOLUBLE COMPOUNDS, as AS Crystalline Silica - Quartz Lead Nickel
<b>Proposition 65 - Developmental Toxins (&gt;0.0%):</b>	Lead
<b>Proposition 65 - Female Repro Toxins (&gt;0.0%):</b>	Lead
<b>Proposition 65 - Male Repro Toxins (&gt;0.0%):</b>	Lead

## SECTION XVI - OTHER INFORMATION

**SDS Revision Date** 01/10/2018

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

# RS-595

## SECTION XVI - OTHER INFORMATION (cont.)

**ABBREVIATIONS AND SYMBOLS:**    < Less Than                    > More Than

**PREPARED IN ACCORDANCE WITH:** U.S. Code of Federal Regulations 29 CFR 1910.1200

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**