



## Safety Data Sheet

Prepared in Accordance with HCS 29  
C.F.R. 1910.1200

### 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** 24ADS1NL **Revision Date:** 05/31/2024  
**Product Name:** SOUTHWEST TYPE **Supersedes Date:** 12/06/2022  
5GP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Fireproofing material.
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:** Carboline Global Inc.  
2150 Schuetz Road  
St. Louis, MO USA 63146
- Regulatory / Technical Information:  
Contact Carboline Technical Services at  
1-800-848-4645
- Datasheet Produced by:** Schlereth, Ken - regulatory@carboline.com
- 1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300 (Inside US)  
CHEMTREC +1 703 5273887 (Outside US)  
HEALTH - Pittsburgh Poison Control 1-412-681-6669

### 2. Hazard Identification

- 2.1 Classification of the substance or mixture**  
Carcinogenicity, category 1A
- 2.2 Label elements**

#### Symbol(s) of Product



#### Signal Word

Danger

#### Named Chemicals on Label

MICROCRYSTALLINE SILICA

**HAZARD STATEMENTS**

Carcinogenicity, category 1A H350-1A May cause cancer.

**PRECAUTION PHRASES**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P284 Wear respiratory protection.  
 P308+313 IF exposed or concerned: Get medical advice/attention

**2.3 Other hazards**

No Information

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**3. Composition/Information On Ingredients****3.2 Mixtures****Hazardous ingredients**

| <u>Name According to EEC</u>   | <u>EINEC No.</u> | <u>CAS-No.</u> | <u>%</u>   | <u>Classifications</u>                  |
|--------------------------------|------------------|----------------|------------|---|
| CALCIUM SULFATE<br>HEMIHYDRATE |                  | 10034-76-1     | 50 - <75   | H302                                    |
| MICROCRYSTALLINE<br>SILICA     | 238-878-4        | 14808-60-7     | 2.5 - <10  | H350-372<br>Carc. 1A, STOT RE 1         |
| LIMESTONE                      | 215-279-6        | 1317-65-3      | 1.0 - <2.5 | H315-319<br>Eye Irrit. 2, Skin Irrit. 2 |

**CAS-No.**

10034-76-1  
14808-60-7  
1317-65-3

**M-Factors**

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

**4. First-aid Measures****4.1 Description of First Aid Measures**

**AFTER INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**AFTER INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Irritating to respiratory system.

**4.3 Indication of any immediate medical attention and special treatment needed**

No Information

**5. Fire-fighting Measures****5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**FOR SAFETY REASONS NOT TO BE USED:** No Information

**5.2 Special hazards arising from the substance or mixture**

No Information

**5.3 Advice for firefighters**

SPECIAL FIREFIGHTING PROCEDURES: The product is not flammable.

SPECIAL FIREFIGHTING PROTECTION EQUIPMENT: No Information

**6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Sweep up to prevent slipping hazard. Forms slippery/greasy layers with water.

**6.2 Environmental precautions**

No Information

**6.3 Methods and material for containment and cleaning up**

No Information

**6.4 Reference to other sections**

No Information

**7. Handling and Storage****7.1 Precautions for safe handling****INSTRUCTIONS FOR SAFE HANDLING :** Avoid breathing dust. Do not breathe vapours or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.**PROTECTION AND HYGIENE MEASURES :** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Wash hands before eating, drinking, or smoking.**7.2 Conditions for safe storage, including any incompatibilities****CONDITIONS TO AVOID:** Exposure to moisture.**STORAGE CONDITIONS:** Keep containers tightly closed in a dry, cool and well-ventilated place.**7.3 Specific end use(s)**

No Information

**8. Exposure Controls/Personal Protection****8.1 Control parameters****Ingredients with Occupational Exposure Limits (US)**

| <u>Name</u>                 | <u>CAS-No.</u> | <u>ACGIH TWA</u> | <u>ACGIH STEL</u> | <u>ACGIH Ceiling</u> |
|-----------------------------|----------------|------------------|-------------------|----------------------|
| CALCIUM SULFATE HEMIHYDRATE | 10034-76-1     | 10 MGM3          | N/E               | N/E                  |
| MICROCRYSTALLINE SILICA     | 14808-60-7     | 0.025 MGM3       | N/E               | N/E                  |
| LIMESTONE                   | 1317-65-3      | N/E              | N/E               | N/E                  |

| <u>Name</u>                 | <u>CAS-No.</u> | <u>OSHA PEL</u>                                    | <u>OSHA STEL</u> |
|-----------------------------|----------------|--|------------------|
| CALCIUM SULFATE HEMIHYDRATE | 10034-76-1     | N/E  | N/E              |
| MICROCRYSTALLINE SILICA     | 14808-60-7     | 0.05 MGM3  | N/E              |
| LIMESTONE                   | 1317-65-3      | 5 MGM3 15 MGM3 5<br>MGM3 15 MGM3 5<br>MGM3 15 MGM3 | N/E              |

**FURTHER ADVICE:** No Information

## 8.2 Exposure controls

### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask. Use NIOSH approved respiratory protection.

**EYE PROTECTION:** Safety glasses with side-shields.

**HAND PROTECTION:** For prolonged or repeated contact use protective gloves.

**OTHER PROTECTIVE EQUIPMENT:** None.

**ENGINEERING CONTROLS:** Avoid dust accumulation in enclosed space.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|   |                               |
|---|-------------------------------|
| <b>Appearance:</b>                                  | Grey Powder Mixture           |
| <b>Physical State</b>                               | Solid                         |
| <b>Odor</b>   | Low Odor                      |
| <b>Odor threshold</b>                               | N/D                           |
| <b>pH</b>   | N/D                           |
| <b>Melting point / freezing point (°C)</b>          | N/A                           |
| <b>Boiling point/range (°C)</b>                     | 212 F (100 C) - 662 F (350 C) |
| <b>Flash Point (°C)</b>                             | N/A                           |
| <b>Evaporation rate</b>                             | N/A                           |
| <b>Flammability (solid, gas)</b>                    | Not determined                |
| <b>Upper/lower flammability or explosive limits</b> | N/A - N/A                     |
| <b>Vapour Pressure, mmHg</b>                        | N/A                           |
| <b>Vapour density</b>                               | Heavier than Air              |
| <b>Relative density</b>                             | Not determined                |
| <b>Solubility in / Miscibility with water</b>       | Slight                        |
| <b>Partition coefficient: n-octanol/water</b>       | Not determined                |
| <b>Auto-ignition temperature (°C)</b>               | Not determined                |
| <b>Decomposition temperature (°C)</b>               | Not determined                |
| <b>Viscosity</b>                                    | Unknown                       |
| <b>Explosive properties</b>                         | Not determined                |
| <b>Oxidising properties</b>                         | Not determined                |

### 9.2 Other information

|  |      |
|--|------|
| <b>VOC Content g/l:</b>                    | 0    |
| <b>Specific Gravity (g/cm<sup>3</sup>)</b> | 1.92 |

## 10. Stability and Reactivity

### 10.1 Reactivity

No Information

### 10.2 Chemical stability

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Exposure to moisture.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

None known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: N/D

Inhalation LC50: N/D

Irritation: Unknown

Corrosivity: Unknown

Sensitization: Unknown

Repeated dose toxicity: Unknown

Carcinogenicity: Carcinogenicity, category 1A

Mutagenicity: Unknown

Toxicity for reproduction: Unknown

STOT-single exposure: Unknown

STOT-repeated exposure: Unknown

Aspiration hazard: Unknown

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>           | <u>Oral LD50</u>          | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u>   | <u>Dust/Mist LC50</u> |
|----------------|--------------------------------|---------------------------|--------------------|-------------------|-------------------|-----------------------|
| 10034-76-1     | CALCIUM SULFATE<br>HEMIHYDRATE | >1587 mg/kg,<br>oral, rat | Not Available      | Not Available     | 0.000             | 0.000                 |
| 14808-60-7     | MICROCRYSTALLINE SILICA        | 22500 mg/kg               | No<br>Information  | No<br>Informaiton | No<br>Information | No<br>Information     |
| 1317-65-3      | LIMESTONE                      | 5,000 mg/kg,<br>rat, oral | No<br>Information  | No<br>Information | No<br>Information | No<br>Information     |

**Additional Information:**

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group 1 carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Constituents may also include abestiform or non-abestiform tremolite or other silicates as impurities, and above dei minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

## 12. Ecological Information

**12.1 Toxicity:**

|                      |         |
|----------------------|---------|
| EC50 48hr (Daphnia): | Unknown |
| IC50 72hr (Algae):   | Unknown |
| LC50 96hr (fish):    | Unknown |

**12.2 Persistence and degradability:** Unknown

**12.3 Bioaccumulative potential:** Unknown

**12.4 Mobility in soil:** Unknown

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** Unknown

| <u>CAS-No.</u> | <u>Chemical Name</u>        | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u>           |
|----------------|-----------------------------|------------------|------------------|----------------------------|
| 10034-76-1     | CALCIUM SULFATE HEMIHYDRATE | No information   | No information   | (Fathead minnow) 1970 mg/L |
| 14808-60-7     | MICROCRYSTALLINE SILICA     | No information   | No information   | No information             |
| 1317-65-3      | LIMESTONE                   | 1,000 mg/l       | 200 mg/l         | 10,000 mg/l                |

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** Dispose of in accordance with local regulations.

## 14. Transport Information

|  |               |
|--|---------------|
| <b>14.1 UN number</b>  | None          |
| <b>14.2 UN proper shipping name</b>  | Not Regulated |
| <b>Technical name</b>  | N/A           |
| <b>14.3 Transport hazard class(es)</b>   | None          |
| <b>Subsidiary shipping hazard</b>  | N/A           |
| <b>14.4 Packing group</b>  | N/A           |
| <b>14.5 Environmental hazards</b>  | Unknown       |
| <b>14.6 Special precautions for user</b>   | Unknown       |
| <b>EmS-No.:</b>  | None          |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b> | Unknown       |

## 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:**

**U.S. Federal Regulations: As follows -****CERCLA - Sara Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>%</u> |
|----------------------|----------------|----------|
| CHLOROTHALONIL (ISO) | 1897-45-6      | 0.02     |

**Toxic Substances Control Act:**

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**U.S. State Regulations: As follows -****New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| VERMICULITE          | 1318-00-9      |
| CELLULOSE FIBER      | 65996-61-4     |

**Pennsylvania Right-To-Know**

The following non-hazardous ingredients are present in the product at greater than 3%.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| VERMICULITE          | 1318-00-9      |

**CALIFORNIA PROPOSITION 65**

WARNING: Cancer and Reproductive Harm -- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**International Regulations: As follows -****\* Canadian DSL:**

All chemical ingredients included on inventory (DSL)

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16. Other Information**

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

|      |   |
|------|---|
| H302 | Harmful if swallowed.   |
| H315 | Causes skin irritation.   |
| H319 | Causes serious eye irritation.                                  |
| H350 | May cause cancer.   |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

**Reasons for revision**

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.



