

AgrowSil[®]

SAFETY DATA SHEET

HARSCO
ENVIRONMENTAL

SECTION 1: IDENTIFICATION

PRODUCT NAME: AgrowSil[®]
RECOMMENDED USE: Agricultural liming
MANUFACTURER: Harsco Environmental
ADDRESS: 359 North Pike Road, Sarver, PA 16055

CUSTOMER SERVICE: (800) 850-0527
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SDS No: 2025-1 | Revision Date: 11/21/2025

SECTION 2: HAZARD IDENTIFICATION

GHS Classification (OSHA HazCom 2012): Eye Irritation Category 2A, Skin Irritation Category 2; STOT RE Category 2 (respiratory irritation)

Signal Word: WARNING

Hazard Statements: H319 Causes serious eye irritation, this is Category 2A. H315 Causes skin irritation. H335 May cause respiratory irritation.

Precautionary Statements:

Prevention:

- **P264:** Wash hands and exposed skin thoroughly after handling.
- **P280:** Wear protective gloves/protective clothing/eye protection/face protection.
- **P261:** Avoid breathing dust/fume/gas/mist/vapors/spray.
- **P271:** Use only outdoors or in a well-ventilated area.

Response:

- **P302+P352:** IF ON SKIN: Wash with plenty of water.
- **P321:** Specific treatment (see SDS Section 4).
- **P332+P313:** If skin irritation occurs: Get medical advice/attention.
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P337+P313:** If eye irritation persists: Get medical advice/attention.
- **P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P312:** Call a POISON CENTER or doctor if you feel unwell.

Storage:

- **P403+P233:** Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Hazards not otherwise classified- Carcinogenicity: Respirable crystalline silica (CAS 14808-60-7) is classified by IARC as Group 1. Mixture hazards depend on dust generation and respirable fraction.



SECTION 3: COMPOSITION / INFORMATION OF INGREDIENTS

Mixture: Calcium and magnesium silicates and oxides; may contain iron, aluminum, and trace elements. Crystalline silica (respirable) may be present at low levels (e.g., $\leq 2\%$) depending on source (CAS 14808-60-7). Typical constituents may include: Calcium (CAS 7440-70-2), Silicon (CAS 7440-21-3), Magnesium (CAS 7439-95-4), Iron (CAS 7439-89-6), Aluminum (CAS 7429-90-5), Manganese (CAS 7439-96-5), Nickel (CAS 7440-02-0).

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush with water for at least 15 minutes, lifting upper and lower lids. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Apply skin lotion if redness persists.

Inhalation: Move to fresh air. If discomfort continues, seek medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if discomfort continues.

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Non-combustible.

Extinguishing Media: Use media appropriate for surrounding materials.

Special Hazards: None known.

Protective Equipment: Wear appropriate protective equipment for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid dust generation. Use personal protective equipment.

Environmental Precautions: Prevent runoff to storm sewers and waterways; elevated pH in water may occur.

Cleanup Methods: Collect spillage using appropriate equipment. Dispose of collected materials in accordance with local/regional/national regulations.

SECTION 7: HANDLING & STORAGE

Handling: Follow SDS and label precautions. Avoid creating dust. Wash hands after handling. Do not breathe dust, wear respirator if necessary.

Storage: Keep material dry until used. Store in a cool, dry place away from strong acids.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation if dust is generated.

Personal Protective Equipment: Safety glasses with side shields or goggles; protective gloves; suitable protective clothing; use a NIOSH-approved particulate respirator if airborne dust is present.

Work Practices: Wash hands after handling. Routinely launder work clothing and PPE to remove contaminants.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brownish-grey granular powder
Odor: None
Odor threshold: N/A
pH: 10–12 (aqueous)
Melting Point/Freezing Point: N/A
Initial Boiling Point and Boiling Range: N/A
Flash Point: N/A
Evaporation rate: N/A
Upper/lower flammability or explosive rate: N/A
Vapor pressure: N/A
Vapor density: N/A
Relative density: N/A
Solubility: Low; alkaline reaction may raise water pH to ~11–12
Partition coefficient: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
Viscosity: N/A
Specific Gravity: ~2.8

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Chemical Stability: Stable under normal conditions of use, storage, and transport.
Conditions to Avoid: Unintended mixing with water can result in elevated pH.
Incompatible Materials: Strong acids.
Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye contact, skin contact, inhalation of dust.
Symptoms: Irritation of eyes, skin, and respiratory tract in dusty conditions.
Carcinogenicity: Respirable crystalline silica (CAS 14808-60-7) is classified by IARC as Group 1. Mixture hazards depend on dust generation and respirable fraction.
Acute and Chronic Effects: Prolonged exposure to high concentrations of dust may aggravate respiratory conditions.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not classified as environmentally hazardous; large or frequent spills may affect water pH.
Persistence and Degradability: Not applicable (inorganic mixture).
Bioaccumulation: Not expected to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment: Dispose of unused material in accordance with local, state, and federal regulations.
Additional Information: Do not wash spillage into stormwater drains.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a hazardous material.

IATA/IMDG/TDG: Not regulated.

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication: This product is regulated; classification provided above.

SARA 311/312: Generally not expected to present acute hazards; chronic respiratory irritation may occur in dusty environments.

313 REPORTABLE INGREDIENTS: Aluminum oxide (CAS 1344-28-1)

California Proposition 65: WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

HMIS: Health 1, Flammability 0, Physical Hazard 0, PPE B

Revision History: Rev. 2025-1 (11/21/2025) – Comprehensive update to format, hazard statements, and contact details.

Disclaimer: Proper and safe use of this material is the purchaser's responsibility. Manufacturer makes no warranties regarding suitability for specific applications.

ADDITIONAL COMPOSITION DETAILS:

CHEMICAL FAMILY: Calcium and magnesium silicates and oxides.

Aluminum (CAS 7429-90-5) A4 Not classifiable as a human carcinogen.

Calcium (CAS 7440-70-2) No designation listed.

Chromium (CAS 7440-47-3) A4 Not classifiable as a human carcinogen.

Crystalline Silica (CAS 14808-60-7) A2 Suspected human carcinogen.

Iron (CAS 7439-89-6) No designation listed.

Magnesium (CAS 7439-95-4) No designation listed.

Manganese (CAS 7439-96-5) A4 Not classifiable as a human carcinogen.

Nickel (CAS 7440-02-0) A5 Not suspected as a human carcinogen.

Silicon (CAS 7440-21-3) No designation listed.

Sulfur (CAS 7704-34-9) No designation listed.

Titanium (CAS 7440-32-6) A4 No designation listed.

Aluminum (CAS 7429-90-5) Not listed.

Calcium (CAS 7440-70-2) Not listed.

Chromium (CAS 7440-47-3) Group 3. Monographs 49 (1990).

Crystalline Silica (CAS 14808-60-7) Group 1. Monographs 68 and 100C (2012).

Iron (CAS 7439-89-6) Not listed.

Magnesium (CAS 7439-95-4) Not listed.

Manganese (CAS 7439-96-5) Not listed.

Nickel (CAS 7440-02-0) Group 2B. Monographs 7, 49 (1990).

Silicon (CAS 7440-21-3) Not listed.

Sulfur (CAS 7704-34-9) Not listed.

Titanium (CAS 7440-32-6) Not listed.