

**SECTION 1: IDENTIFICATION**

**Trade name(s):** *Stabilizer, The Original Natural Binder® (Stabilizer®)* **CAS Number:** 8063-16-9

**Manufacturer/Supplier:**



Stabilizer Solutions, Inc.  
33 South 28th Street, Phoenix, AZ 85034  
info@stabilizersolutions.com www.stabilizersolutions.com  
PH: (800) 336-2468 FAX: (602) 225-5902 for product information  
**EMERGENCY NUMBER:** (602) 418-6888

**Recommended Use:** Sealing incisions and orifices during autopsy and embalment.

**Restrictions on Use:** Human consumption

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Classification of the substance or mixture:**

HAZARD CLASS                      POTENTIAL HEALTH EFFECTS

Skin	Skin Irritation
Eyes	Eye irritation and/or burning
Inhalation	Respiratory tract irritation
Ingestion	No hazard with normal industrial usage

**Other hazards:** Stabilizer® presents little or no health hazard and no unusual hazard if involved in a fire. Sensitive individuals should avoid inhalation as it may cause an allergic reaction such as wheezing.

**SECTION 3: COMPOSITION / INGREDIENT INFORMATION**

**Trade secret claims:** Proprietary blend

**SECTION 4: FIRST-AID MEASURES**

**Description of First-aid Measures**

**Following skin contact:** Remove and rinse abundantly with water. Remove contaminated clothing footwear, watches, etc. and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns.

**Following contact with eyes:** Do not rub eyes in order to avoid possible corneal damage by mechanical stress. Remove contact lenses. Incline head to injured eye, open the eyelids widely and flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 20 minutes to remove all particles. Avoid flushing particles into uninjured eye. If possible, use isotonic water (0.9% NaCl).

**Following Inhalation:** Move the person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms persist.

**Following ingestion:** Do not induce vomiting. If the person is conscious, wash out mouth with water and give plenty of water to drink. Get immediate medical attention.

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

**Eyes:** Eye contact with dust (dry or wet) may cause serious and potentially irreversible injuries.

**Skin:** Powder may have an irritating affect on moist skin (due to sweat or humidity) after prolonged contact or may cause contact dermatitis after repeated contact. Prolonged contact between Stabilizer® and moist skin may cause irritation, dermatitis or burns.

**Inhalation:** Repeated inhalation of Stabilizer® dust over a long period of time may increase the risk of developing lung disease.

**Environment:** Under normal use, Stabilizer® is not hazardous to the environment.

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

When contacting a physician, take this SDS with you.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Flammability:** Yes, treat like grain dust. Avoid high levels of dust concentrations in closed-in areas or compartments.

**Extinguishing media:** Water, dry mixture, fire extinguisher.

**Special firefighting equipment:** None

**Chemical hazards from fire:** N/A

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** N/A

**Protective equipment:** Dust mask, eyewear, or protective clothing as needed in situations with high dust levels.

**Environmental precautions:** Do not wash Stabilizer® powder down sewage and drainage systems or into bodies of water.

**Containment and cleanup methods:** Collect spilled material and use it. Use dry clean-up methods such as vacuum clean-up or vacuum extraction (industrial portable units equipped with high efficiency air filters (EPA and HEPA filters, EN 1822-1:2009) or equivalent technique), which do not cause airborne dispersion. Never use compressed air. Ensure that the workers wear appropriate personal protective equipment and prevent dust from spreading. Avoid inhalation of dust and contact with skin. Place spilled material in a container for future use. Stabilizer® can cause damage to asphalt, avoid mixing, staging or any contact with asphalt.

**SECTION 7: HANDLING AND STORAGE**

**Protective measures:** Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Avoid breathing dust.

**Measures to prevent fire:** N/A

**Measures to prevent aerosol and dust generation:** Do not sweep. Use dry clean-up methods such as vacuum clean-up or vacuum extraction, which do not cause airborne dispersion.

**Measure to protect the environment:** No particular measures.

**Information on general occupational hygiene:** Do not handle or store near food and beverages or smoking materials. In dusty environment, wear dust mask and protective goggles. Use protective gloves to avoid skin contact.

**Conditions for safe storage, including any incompatibilities:** Stabilizer® powder is slightly hygroscopic and should be stored under waterproof, dry (i.e. with internal condensation minimized) conditions, cool, clean and protected from contamination to avoid moisture pick-up and caking.

**SAFETY DATA SHEET (SDS)**  
**Product: Stabilizer®**

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Individual protection measures such as personal protection equipment**

**General:** Do not eat, drink or smoke when working with Stabilizer® powder to avoid contact with skin or mouth. After working with Stabilizer® powder, workers should wash or shower or use skin moisturizers. Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them.



**Eye/face protection:** Wear approved glasses or safety goggles according to EN 166 when handling Stabilizer® powder to prevent contact with eyes.



**Skin protection:** Use impervious, abrasion and alkali resistant gloves (made of low soluble Cr (VI) containing material) internally lined with cotton, boots, closed long-sleeved protective clothing as well as skin care products (including barrier creams) to protect the skin from prolonged contact with Stabilizer® powder.



**Respiratory protection:** When a person is potentially exposed to dust levels above exposure limits, use appropriate respiratory protection. The type of respiratory protection should be adapted to the dust level and conform to the relevant EN standard, (e.g. EN 149, EN 140, EN 14387, EN 1827) or national standard.

**Thermal hazards:** N/A

**Exposure Limits:** OSHA PEL / No data, ACGIH TLV / No data

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Light to dark brown, fine inorganic powder

**Odor:** Slight sweet, oat-like smell

**Odor threshold:** N/A

**pH:** N/A

**Melting Point:** > 1, 250° C

**Boiling Point:** N/A

**Flash point:** N/A as a liquid

**Evaporation Rate:** N/A as a liquid

**Flammability (solid, gas):** Yes, treat like grain dust.

**Upper/lower flammability or explosive limits:** N/A as is not a flammable gas

**Vapor Pressure:** N/A

**Vapor Density (Air=1):** N/A

**Solubility in water:** Insoluble, forms mucilage

**Partition coefficient: n-octanol/water:** N/A as is inorganic

**Auto-Ignition Temperature:** N/A (no pyrophoricity - no organo-metallic, organo-metalloid or organo-phosphine bindings or of their derivatives, and no other pyrophoric constituent in the composition).

**Decomposition temperature:** N/A as no organic peroxide present

**Viscosity:** N/A as not a liquid

**Explosive properties:** N/A Not explosive or pyrotechnic. Not in itself capable of producing gas by chemical reaction at temperature and pressure and at a speed as to cause damage to the surroundings. Not capable of a self-sustaining exothermic chemical reaction.

**Oxidizing properties:** N/A as does not cause or contribute to the combustion of other materials.

**SAFETY DATA SHEET (SDS)**  
**Product: Stabilizer®****SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** When mixed with water, Stabilizer® powder will harden into a stable mass that is not reactive in normal environments.

**Chemical stability:** Stabilizer® powder is stable as long as it is properly stored (see section 7). It should be kept cool and dry.

**Possibility of hazardous reactions:** N/A

**Conditions to avoid:** Humid conditions during storage may cause lump formation and loss of product quality.

**Incompatible materials:** N/A

**Hazardous decomposition products:** Stabilizer® powder will not decompose into any hazardous products.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects:** N/A

**Medical conditions aggravated by exposure:** Stabilizer® powder may aggravate existing respiratory system disease(s) and/or medical conditions such as emphysema or asthma and/or existing skin and/or eye conditions.

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity:** This product is not hazardous to the environment.

**Persistence and degradability:** Not relevant as Stabilizer® powder is an inorganic material. After hydration, Stabilizer® powder lumps present no toxicity risks.

**Bioaccumulative potential:** Not relevant as Stabilizer® powder is an inorganic material. After hydration, Stabilizer® powder lumps present no toxicity risks.

**Mobility in soil:** Not relevant as Stabilizer® powder is an inorganic material. After hydration, Stabilizer® powder lumps present no toxicity risks.

**Result of PBT and vPvB assesment:** Not relevant as Stabilizer® powder is an inorganic material. After hydration, Stabilizer® powder lumps present no toxicity risks.

**Other adverse effects:** Not relevant as Stabilizer® powder is an inorganic material. After hydration, Stabilizer® powder lumps present no toxicity risks.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods:** Stabilizer® powder may always be reused. Waste treatment methods do not apply. Do not dispose of into sewage systems or surface waters.

**SECTION 14: TRANSPORT INFORMATION**

Stabilizer® powder is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID); no classification is required.

No special precautions are needed apart from those mentioned under Section 8.

**SAFETY DATA SHEET (SDS)**  
**Product: Stabilizer®**

**SECTION 15: REGULATORY INFORMATION**

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

OSHA Status	Not Listed
TSCA Status	Listed
CERCLA reportable requirements	None

**Chemical safety assessment:**

SARA TITLE III INFORMATION

Section 302 Extremely Hazardous Substance	Not Listed
Section 313 Toxic Chemicals	Not Listed
Section 311/312 Hazard Category	Not considered a hazard

**SECTION 16: OTHER INFORMATION**

**Training advice:** In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

**Disclaimer:** The information in this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his/her own activities.

Stabilizer Solutions, Inc. shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.