SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Silica Gel – Amorphous Silica**
Part Number: **DeVilbiss Automotive Refinishing Part No. 130502 (Desiccant Snake)**
Product Description: **Silica Gel Beads or Granules**
SDS #: **SDS-53 REVISION #: 11/30/15**
Chemical Formula: **SiO_2 nH_2O**
CAS Number: **112926-00-8**
Article Code: **Not Applicable.**
General Use: **Adsorbent**

Relevant identified uses of the substance or mixture and uses advised against:
Not applicable.

Company Information:
DeVilbiss Automotive Refinishing
11360 S. Airfield Rd.
Swanton, Ohio 43558
Customer Service Phone: 1-800-445-3988

Emergency telephone number – INTERRAGLOBAL (24 HOURS): **1-847-292-8600**

2. HAZARDS IDENTIFICATION

Emergency Overview
Immediate Concerns: Poses little to no health hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity: $SiO_2 \cdot nH_2O$

Common name: Silica Gel; Amorphous Silica

Numbers of identity: CAS-Nr.: 112926-00-8
EC-No.: 231-545-4

Impurities: None

4. FIRST-AID MEASURES

Description of first aid measures
Eye Contact: Flush eyes with plenty of water. Check for and remove any contact lenses if possible. Continue flushing eyes with water for at least 15 minutes. Get medical attention if irritation occurs.
Inhalation: Move individual to fresh air. If breathing is difficult, get medical attention.
Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Ingestion: Give several glasses of water to drink to dilute. Do not induce vomiting. If large amounts

are ingested, get medical advice.

5. FIRE-FIGHTING MEASURES

Special Hazards Arising From the Substance or Mixture: Oxides of carbon and silicon may be formed when heated

Extinguishing Media: Any media suitable for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up spills: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Vacuuming or wet sweeping may be used to avoid dust dispersal. Dispose of material according to local and regional requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe dust. Containers of this material may be hazardous when empty since they retain product residues (e.g. dust, solids). For other precautions see section 2.2. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Conditions for Safe Storage, Including Any Incompatibilities: Suitable for any general chemical storage area.
Keep container tightly closed.
Hygroscopic. Keep in a dry place.
Storage class (TRGS 510): Non-combustible solids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters/Exposure Limits:

Component	CAS-No.	Value	Control Parameters	Basis
Silica-Amorphous, precipitated	112926-00-8	TWA	6.000000 mg/m^3	USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000

Silica-Amorphous, precipitated	112926-00-8	TWA	20.000000 Million parti-cles/ft^3	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
	Remark(s)	Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Mppcf x 35.3 = million particles per cubic meter = particles per c.c.		
Silica-Amorphous, precipitated	112926-00-8	TWA	80.000000 mg/m^3 / % SiO_2	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
	Remark(s)	See table Z-3		
Silica-Amorphous, precipitated	112926-00-8	TWA	6.000000 mg/m^3	USA. NIOSH Recommended Exposure Limits

Appropriate Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Facilities storing or handling this material should be equipped with an eyewash station.

Personal Protective Equipment: Safety glasses, lab coat, and dust respirator. Be sure to use an NIOSH approved respirator or equivalent.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Physical state	: Solid
Color	: White, Translucent
Odor	: Odorless
Odor threshold	: No data available
pH-value	: 3.0 – 8.0 (in 5% slurry)
Melting point	: 1610C (2930F)
Freezing Point	: No data available
Initial boiling point	: 2230C (4046F)
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Non-flammable
Explosion limits	: No data available
Vapor pressure	: Not applicable
Vapor density	: Not applicable
Relative density	: 2.1 (Water = 1)
Solubility	: Insoluble
Partition coefficient	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

10. STABILITY AND REACTIVITY

Reactivity: Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers.

Chemical Stability: The product is stable under normal ambient and anticipated storage and handling conditions of temperature and storage.

Possibility of Hazardous Reactions: Product may react with powerful oxidizers (see above).

Conditions to Avoid: None

Incompatible Materials: This product is incompatible with strong oxidizing agents, strong acids, strong bases, Chlorine trifluoride, Ethylene oxide, Hydrogen fluoride, Oxygen difluoride, Sodium nitrate.

Hazardous Decomposition Products: Oxide of carbon and silicon may be formed when heated. May produce irritating and toxic fumes and gasses.

11. TOXICOLOGICAL INFORMATION

Acute - Oral LD_{50}: LD50 > 3160 mg/kg (rat)
Inhalation: No data available
Dermal: No data available

Skin Corrosion/Irritation: No special risk under normal use. Dusts of particulates may cause minor abrasion. May cause dryness.

Serious Eye Damage/Eye Irritation: No special risk under normal use. Dusts of particulates may cause mechanical irritation, possibly including pain, tearing, and redness. Scratching of the cornea can occur if eye is rubbed.

Respiratory or Skin Sensitization: No special risk under normal use. Inhalation of airborne particulate may lead to mechanical irritation of the respiratory tract and mucous membranes. Inhalation of excessive levels of dust may be harmful.

Germ Cell Mutagenicity: No data available

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Silica-Amorphous, precipitated).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available

Specific Target Organ Toxicity Following Single Exposure: No data available

Specific Target Organ Toxicity Following Repeated Exposure: No data available

Aspiration Hazard: Dust may irritate lungs. Synthetic amorphous silica does not produce silicosis.

Information on likely Routes of Exposure: Absorbed through skin, eye contact, inhalation, and ingestion.

Additional Information: RTECS: VV7315000

Silica gel is a synthetic amorphous silica, not to be confused with crystalline silica such as quartz, cristobalite, or tridymite or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms. Amorphous silica is not classifiable as to its carcinogenicity to humans (Group 3); however, crystalline silica inhaled in the form of quartz or cristobalite form occupational sources is carcinogenic to humans (Group 1, IARC). Therefore, amorphous silica should be handled as if possessing the same hazards as the crystalline form. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach – Irregularities – Based on human evidence.

12. ECOLOGICAL INFORMATION

Toxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumalative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB Assessment: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Product: Chemical waste generators must determine whether a discarded chemical is

classified as a hazardous waste. Dispose of in accordance with federal, state, and local environmental control regulations.

Contaminated Packaging: Packaging may contain residual dust. Dispose of in accordance with federal, state, and local environmental control regulations.

14. TRANSPORT INFORMATION

General: This product is not covered by international regulation on transport of dangerous goods (IMDG, IATA, ADR/RID)

15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (de Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Chronic health hazard

Massachusetts Right to Know Components:
Silica-Amorphous, precipitated
CAS-No.: 112926-00-8
Revision date: 1993-04-24

Pennsylvania Right to Know Components:
Silica-Amorphous, precipitated
CAS-No.: 112926-00-8
Revision date: 1993-04-24

New Jersey Right to Know Components:
Silica-Amorphous, precipitated
CAS-No.: 112926-00-8
Revision date: 1993-04-24

California Proposition 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

DOT Classification: Not a DOT controlled material (United States).

HMIS (U.S.A.):

Health hazard	: 1
Fire hazard	: 0
Reactivity	: 0
Personal protection	: E

National Fire Protection Association (U.S.A.):

Health	: 1
Flammability	: 0
Reactivity	: 0

Toxic Control Substances Act (TSCA): This product complies with all applicable rules or orders under the Toxic Control Substances Act (TSCA).

SARA 311/312: Acute: Yes
Chronic: Yes

16. OTHER INFORMATION

Date Revised: **11/30/2015**
Date Prepared: **11/30/2015**

SDS PREPARED BY: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, DeVilbiss makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will DeVilbiss be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

*** END OF SDS ***