

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: QC3 Silica Gel Desiccant
Part Number: 130524
Product Description: Silica Gel Desiccant Beads
SDS #: SDS-55, Version 1.5, Revision 1/6/2016
Version or Revision: 1.5
Chemical Formula: SiO₂ + other minor ingredients
CAS Number: 112926-00-8
General Use: Moisture removal from compressed air

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

Emergency telephone number - CHEMTREC (24 HOURS): 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Product definition: Mixture.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] : Not classified.

Ingredients of unknown toxicity: None known.

Ingredients of unknown ecotoxicity: None known.

Classification according to OSHA 29 CFR 1910.1299 and Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to OSHA 29.CFR 1910.1200, Directive 1999/45/EC and its amendments.

Label elements:

Hazard pictograms: No pictogram.

Hazard statements: Caution! Causes respiratory tract irritation. May cause eye and skin irritation.

Target Organs: Lungs

Principle routes of exposure: Eyes, Skin, Lungs

Skin contact: Dust may cause slight mechanical irritation.

Eye contact: Dust may cause slight mechanical irritation.

Inhalation: Dust is irritating to the respiratory tract.

Ingestion: May cause irritation to the digestive tract.

Chronic Effects: Prolonged or repeated exposure to skin may cause irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EINECS No.	Conc.[%]	EU Classification
Silica gel	112926-00-8	231-545-4	>99	
Ferric oxide	13537-24-1	236-908-0	<0.5	R36 R37 R38
Aluminum Oxide	1344-28-1	215-691-6	<0.5	R37
Calcium oxide	1305-78-8	215-138-9	<0.5	R22 R36 R38
Sodium oxide	1313-59-3	215-208-9	<0.5	R8 R14 R35
Other			<0.01	

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: Treat symptomatically and supportively. Get medical aid.

Indication of any immediate medical attention and special treatment needed

Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use extinguishing media most appropriate for the surrounding fire.

Special hazards arising from the substance or mixture

Fire retardant method: None required.

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Sensitivity to Static Discharge: No information available.

Hazards from the substance or mixture: No information available.

Unusual Fire and Explosion Hazards: Not applicable

Hazardous combustion products:

Note: None.

Advice for firefighters

Special precautions for fire-fighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

NFPA Rating: Health: 1 Flammability: 0 Instability: 0

HMIS RATING: See Section 15.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Information: Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard. Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

Methods and materials for containment and cleaning up

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposable container. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Advice on general occupational: Minimize dust generation and accumulation.

Conditions for safe storage: Store in a tightly closed container in a dry area.

Industrial sector specific solutions: None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits (OELs) have been established for this product or its chemical components as follows:

Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Silica Gel	none listed	none listed	none listed
Ferric Oxide	TWA: 5 (mg/m ³) from ACGIH [1995]	none listed	none listed
Aluminum Oxide	TWA: 10 (mg/m ³) from ACGIH (TLV) [United States] Inhalation Total.	none listed	TWA: 15(mg/m ³) from OSHA (PEL) [United States] Inhalation Total.
Calcium Oxide	TWA: 2 (mg/m ³) from ACGIH (TLV) [United States]	none listed	TWA: 5 (mg/m ³) from OSHA (PEL) [United States]
Sodium Oxide	none listed	none listed	none listed

Exposure controls

Appropriate engineering: Use adequate general or local exhaust ventilation to keep airborne concentrations below acceptable limits.

Personal Protection Equipment

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin Protection: Wear appropriate gloves and clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms develop.

Other protective clothing: Wear appropriate clothing to minimize contact with the skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Physical state:	Solid
Color:	Transparent to Semi-Transparent
Odor:	Odorless
Appearance:	Granular Substance
pH:	5.0
Freezing point:	Not available
Boiling point:	Not available
Flash point:	Not available
Flammability (solid, gas):	NOT a flammable product
Burning time:	Not available
Burning rate:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Negligible
Vapor Density (air=1):	Not available
Relative Density:	About 0.67 g/cm ³ @ 25°C.
Solubility in Water:	Insoluble.
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
Viscosity:	Not applicable
Specific Gravity (water=1):	0.670 g/cm ³ @ 25°C (= 670 g/L)
Pour Point:	Not applicable
Explosive properties:	Not available
VOC:	Not applicable
Oxidizing properties:	Not available

Other information

No additional information.

10. STABILITY AND REACTIVITY

Reactivity:	Stable at ambient temperature and under normal conditions of use.
Chemical stability:	Product is stable.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Moisture
Incompatible materials:	Strong acids, hydrogen fluoride.
Hazardous decomposition products:	Not available

11. TOXICOLOGICAL INFORMATION

General: See Section 3 for potential health effects.

Toxicity Data:	
No toxicity data have been established for this product. However, toxicity data for ingredients are stated below:	
Ingredient Name	Toxicity Data
Silica Gel	RTECS#: CAS# 112926-00-8: VV7315000 LD50/LC50: Not available.
Ferric Oxide	LD50: Not available. LC50: Not available.
Aluminum Oxide	LD50: Not available. LC50: Not available.
Calcium Oxide	LD50: Not available. LC50: Not available.
Sodium Oxide	LD50: Not available. LC50: Not available.

Epidemiology: Not available
Mutagenicity: Not available
Neurotoxicity: Not available
Teratogenicity: Not available
Developmental effects: Not available
Fertility effects: Not available
Other information: Not available

12. ECOLOGICAL INFORMATION

No Information is available

13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult national, state, and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

ADR/RID	Not regulated as a hazardous material
AND/ADNR	Not regulated as a hazardous material
IMDG	Not regulated as a hazardous material
IATA	Not regulated as a hazardous material

15. REGULATORY INFORMATION

INVENTORIES	EINECS (EU): Conforms
	TSCA (USA): Conforms
	DSL (Canada): Conforms
	AICS (Australia): Conforms
	ECL (Korea): Conforms

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2	
R8	Contact with combustible material may cause fire.
R14	Reacts violently with water.
R22	Harmful if swallowed.
R35	Causes severe burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.

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SDS PREPARED BY: Director of Chemical Safety

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*** END OF SDS ***

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