

Silica gel Rubin drying bags**72811-250G**

Version 1.1

Revision Date 02/03/2022

Print Date 05/15/2023

SECTION 1. IDENTIFICATION

Product name : Silica gel Rubin drying bags

Number : 000000020217

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : granules

Color : red

Odor : odourless

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Hazards not otherwise : Repeated or prolonged exposure may irritate eyes, skin and

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classified respiratory system.

Carcinogenicity

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, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Silicon dioxide	112926-00-8	100.00 %

SECTION 4. FIRST AID MEASURES

- Inhalation : Move to fresh air. If respiratory problems develop, obtain medical attention.
- Skin contact : Wash off with soap and plenty of water. If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a physician.
- Ingestion : Do NOT induce vomiting. Drink at least 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician.

Notes to physician

Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : The product itself does not burn.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment. Unprotected persons must be kept away.
Ensure adequate ventilation.
Avoid dust formation.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Avoid dust formation.
Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE**Handling**

- Precautions for safe handling : Wear personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
- Advice on protection against fire and explosion : The product itself does not burn.
Normal measures for preventive fire protection.

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Storage

Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid breathing dust.

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Eye protection : Safety goggles

Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Keep working clothes separately.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Silicon dioxide	112926-00-8	TWA : Time weighted average	3 mg/m3	01 2021	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further	:	Form of exposure : Respirable particles.			

SAFETY DATA SHEET



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information					
Silicon dioxide	112926-00-8	TWA : Time weighted average	10 mg/m3	01 2021	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information	:	Form of exposure : Inhalable particles.			
Silicon dioxide	112926-00-8	REL : Recomm ended exposure limit (REL):	6 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Silicon dioxide	112926-00-8	TWA : Time weighted average	6 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Silicon dioxide	112926-00-8	TWA : Time weighted average	0.8 mg/m3 The exposure limit is calculated from the equation, 80/(%SiO ₂), using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits.	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Silicon dioxide	112926-00-8	:	Listed	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended

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Silicon dioxide	112926-00-8	TWA : Time weighted average	15 mg/m3	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

Silicon dioxide	112926-00-8	TWA : Time weighted average	5 mg/m3	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

Silicon dioxide	112926-00-8	:	Listed	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

Silicon dioxide	112926-00-8	TWA : Time weighted average	50 millions of particles per cubic foot of air	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

Silicon dioxide	112926-00-8	TWA : Time weighted average	15 millions of particles per cubic foot of air	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

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Silicon dioxide	112926-00-8	:	Listed	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

Silicon dioxide	112926-00-8	TWA : Time weighted average	20 millions of particles per cubic foot of air	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: granules
Color	: red
Odor	: odourless
Odor threshold	: Note: No data available
pH	: <= 9
Melting point/range	: > 1,600 °C
Boiling point/boiling range	: 2,230 °C
Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Flammability	: The product is not flammable.
Lower explosion limit	: Note: No data available

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Upper explosion limit	: Note: No data available
Vapor pressure	: 13.3 hPa at 1,732 °C(3,150 °F)
Density	: ca. 2 g/cm ³ at 20 °C
Water solubility	: Note: slightly soluble
Partition coefficient: n-octanol/water	: Note: No data available
Ignition temperature	: Note: Not applicable
Decomposition temperature	: Note: No decomposition if used as directed.
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: Note: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: No information available.
Incompatible materials	: No dangerous reaction known under conditions of normal use.

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Hazardous decomposition products : No hazardous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: > 5,000 mg/kg
Species: Rat, male and female

Acute inhalation toxicity : LC50: > 58.8 mg/l
Exposure time: 4 h
Species: Rat, male and female

Acute dermal toxicity : Note: No data available

Skin irritation : Species: Rabbit
Result: No skin irritation

Eye irritation : Species: Rabbit
Result: No eye irritation

Sensitisation : Note: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish : LC0: > 1,000 mg/l
Exposure time: 96 h
Species: Brachydanio rerio (zebrafish)

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Toxicity to daphnia and other aquatic invertebrates : EC50: > 1,000 mg/l
Exposure time: 24 h
Species: Daphnia magna (Water flea)

Toxicity to algae : Note: No data available

Toxicity to bacteria : Note: No data available

Elimination information (persistence and degradability)

Bioaccumulation : Note: Bioaccumulation is unlikely.

Further information on ecology**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Industrial : On the inventory, or in compliance with the inventory

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Chemicals Act (AIC), as amended

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

National regulatory information

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

SARA 313 Components : 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 : Acute Health Hazard

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

Massachusetts RTK : Silicon dioxide 112926-00-8

New Jersey RTK : Silicon dioxide 112926-00-8

Pennsylvania RTK : Silicon dioxide 112926-00-8

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group