

1. Identification

Product Name : Silica Gel Desiccant

Manufacturer

Premier Farnell plc
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2. Hazard identification

Hazards Classification

In accordance with Regulation (EC) No 1272/2008(CLP), the sample is divided into the following hazard category.

Physical Hazard : Not Classified as a physical hazard Class.
Health Hazard : Not Classified as a health hazard Class.
Environmental Hazard : Not Classified as a environmental hazard Class.

Label Element

The Product does not need to be labelled in accordance with Regulation (EC) No. 1272/2008(CLP) or respective national laws.

Other hazards

No data Available.
Invasion Route : Skin touch, Eye touch, Inhalation, Ingestion
Health Hazard : No known significant effects or critical hazard to health
Environmental Hazard : No known significant effects or critical hazard to environment
Burn & Burst Danger : The sample is not flammable.

3. Composition / Information on Ingredients

Substance/Preparation: Preparation				
Component/Substance	Molecular Formula	Percent of Content (%)	CAS Number	EINECS Number
Silicon Dioxide	SiO ₂	99.6	14808-60-7	215-683-2
Sodium Oxide	Na ₂ O	0.17	1313-59-3	235-641-7
Aluminium Oxide	Al ₂ O ₃	0.16	1344-28-1	215-691-6
Calcium Oxide	CaO	0.04	1305-78-8	215-138-9
Iron (III) Oxide	Fe ₂ O ₃	0.02	1309-37-1	215-168-2
Magnesium Oxide	MgO	0.01	1309-48-4	215-171-9

4. First AID Measures

After Skin Contact : In case of irritation or sensitization, wash off with soap and plenty of water. Take Victim immediately to hospital. Consult a physician.
After Eye contact : IF In EYES: Rinse cautiously with water for several minutes. If eye irritation persists, get medical advice /attention.
After Inhalation : Supply with fresh air. Call a POISON CENTRE/doctor, if you feel unwell.
If swallowed, rinse mouth. Never give anything by mouth to an unconscious person.

After ingestion	: If large quantities of this material are swallowed, immediately call a POISON CENTRE or doctor/Physician.
Most Important Symptoms and effects, both acute & delay	: No known symptoms or effects.
Indication of any immediate medical attention and special treatment needed	: No data available

5. Fire Fighting Measures

Suitable Fire Extinguishing Media	: Foam, Carbon dioxide, dry chemical extinguishers.
Special remarks on fire hazards	: The sample is not flammable. The smoke of combustion may cause apnea, irritation.
Special Fire Fighting Procedure	: As soon as possible, remove the goods from fire to open place. For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, standing on the windward, use water spray to cool fire-exposed containers.
Combustion Products	: Carbon monoxide, carbon dioxide, nitrogen oxide and other unidentified product.
Protective Equipment	: The Staff must be equipped with filter masks (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defend the fire.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	: Use personal protective equipment. Avoid breathing dust, smoke, vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
Measures for Environmental Protection	: Collect leaking, avoid environmental pollution and prevent from spreading or entering into sewers, surface water and groundwater.
Methods and Materials for Containment And Cleaning Up	: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Additional Information	: Prevent Birds & fish feeding by the drainage system, must be completely recycled.

7. Handling and Storage

Precautions for safe Handling	: Avoid formation of dust and aerosols. Avoid contact with skin and eyes. Operating personnel must be trained specially and follow closely to the line of operating instruction. Avoid accumulating dust. Wear suitable protective clothing, gloves and eye/face protection.
Conditions for safe storage, including any incompatibilities	: Packing requires seal. Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition – No Smoking. Keep separate with oxidizing agent. Equip with relevant type and quantities of the extinguishment instruments. Keep the sample as an easy identification.

8. Exposure Controls / Personal Protection

Maximum Admissible Concentration	: No standard yet
Monitoring Method	: No data available
Engineering Control	: Equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Respiratory Protection	: Wear suitable mask. If the dust density exceed in the air, must wear air-purifying respirators.
Eye protection	: Wear suitable Chemical safety goggles.
Body Protection	: Wear suitable cloth.
Hands Protection	: Wear suitable protective gloves.
Other Protections	: No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Shower and change clothes after work.

9. Physical and Chemical Properties

Appearance	: Grain
Colour	: Transparent
Melting Point	: No data available
Boiling point	: No data available
Explosion Upper Limits	: No data available
Ignition Temperature	: No data available
Solubility	: No data available
Odor	: Unscented
pH	: No data available
Density	: No data available
Flashing Point	: No data available
Explosion Lower Limits	: No data available
Decomposition Temperature	: No data available

10. Stability and Reactivity

Stability	: Stable under normal temperature and pressure
Conditions To Avoid	: Avoid fire, elevated temperatures, direct sunlight
Possibility of Hazard Reactions	: No data available.
Incompatible Materials	: Incompatible with acids, oxidizing agents, basis etc
Hazardous	
Decomposition Products	: No data available

11. Toxicological Information

Acute Toxicity	: No data available
Skin Corrosion/Irritation	: No data available
Serious Eye Damage/Eye Irritation	: No data available
Respiratory or Skin Sensitization	: No data available
Germ Cell Mutagenicity	: No data available
Carcinogenicity	: IARC: No ingredients at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
Reproductive Toxicity	: No data available
Specific Target Organ	
Toxicity-Single Exposure	: No data available
Specific Target Organ	
Toxicity-Repeated Exposure	: No data available
Aspiration Hazard	: No data available
Skin Contact	: Dust may cause irritation
Eye contact	: Dust may cause irritation

Potential Invasion Route

- Inhalation : May cause respiratory tract irritation, coughing, etc.
Ingestion : If swallows, may cause discomfort, and effect people's digestive system

12. Ecological Information

- Toxicity : No data available
Persistence and Degradability : No data available
Bioaccumulative potential : No data available
Mobility in Soil : No data available
Other adverse effects : It might cause pollution when released large-scale to the air, water

13. Disposal Considerations

- Nature of Waste : This product is not regarded as hazardous waste.
Waste Disposal Methods : Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste Refer to National or Local regulations before handling
Attention Abandoned : Avoid abandon to the water

14. Transport Information

Transport Attentions

The products restrict the use of own steel tanker shipment when railway transport, submit to relevant departments for approval. The transport vehicles should be equipped with the appropriate variety and quantity of fire control equipment and emergency equipment for leakage. In summer, best transport in morning or evening. Transport tank should have grounding chain, the inner of tank should have baffle hole plate to reduce static electricity. Ban mixed operation with antioxidants, acid, alkali metal and amine. Prevent insolate, rain and heat in transit. Keep away from fire, heat and high temperature when stopover. Exhaust pipes of transport vehicle must be equipped with fire retardant equipment. Ban load and unload with mechanical equipment and tools that easy to produce the spark. According to prescribed routes when road transport. Do not stay in residential area and densely populated area. Ban humping when railway transport. Ban bulk transport use wooden boats, concrete boats.

Please refer to section 7-Handling and Storage also, and requirements of the ADR-RID/PG, IMO/IMDG/PG, IATA/ICAO/PG.

Maritime Transport IMDG

- IMDG Code : Non-dangerous goods
UN-Number : No data available
Packing Group : No data available
Proper Shipping Name : No data available

DOT regulations

- Hazard class : Non-dangerous goods
UN-Number : No data available.
Packing Group : No data available
Proper Shipping Name : No data available

Land transport ADR/RID (cross-border)

- Hazard class : Non-dangerous goods
UN-Number : No data available.
Packing Group : No data available
Proper Shipping Name : No data available

Air transport ICAO-TI and IATA-DGR

ICAO-TI-II class : Non-dangerous goods
UN/AD Number : No data available
Packing Group : No data available
Proper Shipping Name : No data available

15. Regulatory Information

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

German regulations concerning the classification of hazard for water(WGK)

Not listed.

Substance of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)

Not listed.

The conditions of restrictions according to Regulation (EC) No. 1907/2006 (REACH) Article 67 and Annex XVII for the manufacturing, placing on the market and use must be observed Regulation (EC) No. 1907/2006 (REACH) Annex XVII (requiring authorization for use)

Not listed.

Regulation (EC) No. 1907/2006 (REACH)-Pre-registered substance

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer

Not listed.

Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals, Annex I

Not listed.

ELINECS (European List of Notified Chemical Substances)

Not listed.

Chemical Safety Assessment : No data available

16. Other Information

Abbreviations and Acronyms:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Classification Packaging and Labelling
DOT : US Department of Transportation
EC : European Commission
EINECS : The European Inventory of Existing Commercial Chemical Substances
IARC : International Agency for Research on Cancer
IATA : International Air Transport Association
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
RID : Regulations Relating to International Carriage of Dangerous Goods by Rail
UN : The United Nations

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