

## Safety Data Sheet

Skyspring Nanomaterials, Inc. www.ssnano.com

1 Identification of substance: Product details: Product name: Graphite powder Stock number: 0521QZ Manufacturer/Supplier: SkySpring Nanomaterials, Inc. 2935 Westhollow Dr., Houston, TX 77082, USA Phone: 281-870-1700 Fax: 281-870-8002 Email: sales@ssnano.com 2 Hazards identification • Classification of the substance or mixture Not a hazardous substance or mixture. GHS Label elements, including precautionary statements Not a hazardous substance or mixture. Hazards not otherwise classified (HNOC) or not covered by GHS - none 3 Composition/Data on components: Chemical characterization: Description: (CAS#) Graphite (CAS# 7782-42-5), 100% Identification number(s): **EINECS Number:** 231-955-3 3 Hazards identification • Hazard description: Xi Irritant • Information pertaining to particular dangers for man and environment R 36/37 Irritating to eyes and respiratory system. Classification system • HMIS ratings (scale 0-4) (Hazardous Materials Identification System)

	Health (acute effects) = 1
	Flammability = 0
	Reactivity = 0
•	4 First aid measures
	• After inhalation
	Supply fresh air. If required, provide artificial respiration. Keep
	patient warm.
	Seek immediate medical advice.
	• After skin contact
	Immediately wash with water and soap and rinse thoroughly.
	Seek immediate medical advice.
	• After eye contact
	Rinse opened eye for several minutes under running water. Then consult a doctor.
	<ul> <li>After swallowing Seek immediate medical advice.</li> </ul>
	ALLEL SWALLOWING SEEK INDRELIATE MEDICAL AUVICE.
-	5 <u>Fire fighting measures</u>
	Quitable entirmiching erents
	• Suitable extinguishing agents
	CO2, extinguishing powder or water spray. Fight larger fires with water
	<ul><li>spray.</li><li>Special hazards caused by the material, its products of combustion or</li></ul>
	resulting gases:
	In case of fire, the following can be released:
	Carbon monoxide (CO)
	• Protective equipment:
	Wear self-contained respirator.
	Wear fully protective impervious suit.
	Wear rarry proceedive impervious sure.
	6 Accidental release measures
	<ul> <li>Person-related safety precautions:</li> </ul>
	Wear protective equipment. Keep unprotected persons away.
	Ensure adequate ventilation
	• Measures for environmental protection:
	Do not allow material to be released to the environment without proper
	governmental permits.
	• Measures for cleaning/collecting: Ensure adequate ventilation.
	• Additional information:
	See Section 7 for information on safe handling

		formation on personal protection equipment.					
	See Section 13 for d	isposal information.					
•	7 Handling and storage	je					
• Handling							
•	handling:						
	Keep container tight	Keep container tightly sealed.					
	Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace.						
•	Information about protection against explosions and fires:						
	No special measures :	required.					
•	Storage						
•	-	et by storerooms and receptacles:					
	No special requirement						
•		orage in one common storage facility:					
	Store away from oxid.						
	Store away from halo						
	Do not store togethe						
•	-	about storage conditions:					
	Keep container tight	-					
Store in cool, dry conditions in well sealed containers.							
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Switzerland MAK-W 2.5 5-LTEL United Kingdom USA PEL 15 mppcf Additional information: No data Personal protective equipment • General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. • Breathing equipment: Use suitable respirator when high concentrations are present. • **Protection of hands:** Impervious gloves • Eye protection: Safety glasses • Body protection: Protective work clothing. 9 Physical and chemical properties: General Information • Form: Solid Color: Black **Odor:** Odorless Value/Range Unit Method • Change in condition 3652-3697 ° C • Melting point/Melting range: (subl/vac) Boiling point/Boiling range: Not determined • Sublimation temperature / start: Not determined • Flash point: Not applicable • Ignition temperature: Not determined Not determined • Decomposition temperature: • Danger of explosion: Product does not present an explosion hazard. • Explosion limits: Not determined • Lower: Not determined Upper:

•	Vapor pressure:		Not	determined
•	Density: at 2	20°	С	2.25 g/cm <sup>3</sup>
•	Solubility in / Miscibility w Water:	vith	Inso	oluble
• :	10 Stability and reactivity			
•	Thermal decomposition / condi Decomposition will not occur specifications. Materials to be avoided: Oxidizing agents Acids Halogens Interhalogens Alkali metals Dangerous reactions No danger Dangerous products of decompo	if u	sed an react:	nd stored according to
• :	11 Toxicological information			
•	Acute toxicity: Primary irritant effect:			
•	on the skin: Irritant to skin		mucou	as membranes.
•	on the eye: Irritating effect Sensitization: No sensitizing		ects ]	xnown.
•	Subacute to chronic toxicity: The inhalation of graphite, by pneumoconiosis in exposed wor to coal worker's pneumoconios Additional toxicological info To the best of our knowledge substance is not fully known.	ooth ckers sis. ormat the ccino	natura . The <b>ion:</b> acute genic	al and synthetic, has caused e pneumoconiosis found is similar and chronic toxicity of this properties of this material is
• :	12 Ecological information:			

• General notes: Do not allow material to be released to the environment without proper governmental permits.
• 13 <u>Disposal considerations</u>
<ul> <li>Product:</li> <li>Recommendation Consult state, local or national regulations to ensure proper disposal.</li> </ul>
<ul> <li>Uncleaned packagings:</li> <li>Recommendation: Disposal must be made according to official regulations.</li> </ul>
• 14 <u>Transport information</u>
Not a hazardous material for transportation.
<ul> <li>DOT regulations:</li> <li>Hazard class: None</li> </ul>
<ul> <li>Land transport ADR/RID (cross-border)</li> <li>ADR/RID class: None</li> </ul>
<ul> <li>Maritime transport IMDG:</li> <li>IMDG Class: None</li> </ul>
<ul> <li>Air transport ICAO-TI and IATA-DGR:</li> <li>ICAO/IATA Class: None</li> </ul>
• Transport/Additional information: Not dangerous according to the above specifications.
• 15 <u>Regulations</u>
• Product related hazard information:
• Hazard symbols: Xi Irritant
• Risk phrases: 36/37 Irritating to eyes and respiratory system.

## • Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## • National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

• Information about limitation of use: For use only by technically qualified individuals.

## 16 Other information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.