

Premium Graphene

Item #: 902150

Product:	Premium Graphene
CAS No.	1034343-98-0
Distributor/ supplier/ manufacturer:	Nanotech Energy, Inc. 12100 Wilshire BLVD suite 800 Los Angeles, CA 90025
Phone number:	1 (800) 995-5491
Relevant identified uses of the substance or mixture	Laboratory chemicals, industrial manufacturing of substances

Hazards Identification

Hazard Identification:	-May cause eye, skin and respiratory tract irritation.
Hazard Statement(s)- GHS Label elements, including precautionary statements	-Not a hazardous substance or mixture.
Hazards not otherwise Classified (HNOC) or not covered by GHS	-None.

Composition / Information on Ingredients

Mixtures/ Synonyms	-rGO -Reduced graphene oxide
Molecular weight	-12.01 g/mol

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First Aid Measures

First Aid:	<p>In case of eye contact Flush with plenty of water for 15 minutes as a precaution.</p> <p>In case of skin contact Wash thoroughly with soap and plenty water.</p> <p>If inhaled If inhaled, move person into fresh air. If breathing is difficult, admin oxygen. If not breathing, give artificial respiration. Consult a physician.</p> <p>If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water</p>
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Firefighting Measures

Extinguishing Media	<p>Means of extinction Use water spray, alcohol resistant foam, dry chemical or carbon dioxide</p> <p>Special hazards arising from the substance or mixture Not determined</p> <p>Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary</p>
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Accidental Release Measure

1	<p>Personal precautions, protective equipment, and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.</p>
2	<p>Environmental precautions Do not let product enter drains</p>
3	<p>Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable tight closed containers for disposal.</p>

Handling and Storage

1	<p>Precautions for safe handling Further processing of solid materials may result in the formation of combustible dusts. Consider the potential for combustible dust formation before additional processing occurs. Provide well ventilation at places where dust is formed.</p>
2	<p>Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.</p>

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Exposure Controls/ Personal Protection

<p>Control parameters</p>	<p>Components with workplace control parameters None</p>
<p>Exposure Control</p>	<p>Appropriate engineering controls General industrial hygiene practice</p>
<p>Personal Protective equipment</p>	<p>Eye/face protection Use safety glasses/ goggles</p> <p>Skin protection Handle with gloves and avoid all skin contact. Dispose contaminated gloves after each use. Wash and dry hands</p> <p>Body Protection Wear protective work clothes</p> <p>Respiratory protection Use suitable respirator when high concentrations are present</p>
<p>Control of environmental exposure</p>	<p>Do not let product enter drains.</p>

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Physical and Chemical Properties

Appearance	Form: Powder
Color	Black
Odor	Odorless
Odor Threshold	Not determined
pH	Not determined
Melting point/ freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	Not determined
Percent Weight (w/w)	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Tapped density (g/cm ³)	0.5
Water solubility	Not determined
Partition Coefficient	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined

Stability and Reactivity

Reactivity	Not determined
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Not determined
Conditions to avoid	Not determined
Incompatible material	Strong oxidizing agents.
Hazardous decomposition products	Not determined

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Toxicological information

Information on toxicological effects:	<p>Acute toxicity Not determined Inhalation: Not determined Dermal: Not determined</p> <p>Skin corrosion/ irritation Irritant to skin and mucous membranes.</p> <p>Serious eye damage/ eye irritation Irritating effect.</p> <p>Respiratory or skin sensitization Not determined</p> <p>Germ cell mutagenicity Not determined</p> <p>Carcinogenicity IARC: None at the reporting limit. NTP: None at the reporting limit. OSHA: None at the reporting limit.</p> <p>Reproductive toxicity Not determined</p> <p>Specific target organ toxicity- single exposure Not determined</p> <p>Specific target organ toxicity- repeated exposure Not determined</p> <p>Aspiration hazard Not determined</p>
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Ecological Information

Toxicity	Not determined
Persistence and degradability	Not determined
Bio accumulative potential	Not determined
Mobility in soil	Not determined
Results of PBT and vPvB assessment	Not applicable
Other adverse effect	Not determined

Disposal Considerations

Waste from residues/unused products:	Offer surplus and non-recyclable solution to a licensed disposal company
Contaminated packaging:	Dispose of as unused product

Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Regulatory Information

SARA 302 Components	None
SARA 313 Components	None
SARA 311/312 Hazards	No SARA Hazards
Massachusetts Right to know components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components	Reduced graphene oxide
New Jersey Right to Know Components	Reduced graphene oxide
California Prop. 65 Components	This product does not contain any chemicals known to state of California to Cause cancer, birth defects, or any other reproductive harm.

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Other Information

HMIS Rating	Health hazard: 0 Chronic health hazard: Flammability: 0 Physical Hazard: 0
NFPA Rating	Health Hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0