

# Safety Data Sheet

Part Number 326233

## Section 1. Substance Identity and Company Contact Information

<b>Product Name</b>	Graphite Foil	<b>Product Part Number(s)</b>	295048 and 295030
<b>Trade Name</b>	Graphite Foil	<b>Unit Size</b>	1 sq ft
<b>Company</b>	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

**Emergency No. 1-800-424-9300 (Chemtrec).** Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

## Section 2. Hazards Identification

**Pictogram(s)**



<b>Signal Word</b>	Warning	
<b>Precautionary Statement(s)</b>	Highly flammable	
<b>Target Organ(s)</b>	No data available	
<b>Potential Health Effects</b>	Eye:	No data available
	Skin:	No data available
	Ingestion:	No data available
	Inhalation:	No data available
<b>Chronic Effects/ Carcinogenicity</b>	IARC:	No data available
	NTP:	No data available
	OSHA:	No data available
<b>Teratology (Birth Defects) Information</b>	No data available	
<b>Reproductive Information</b>	No data available	
<b>NFPA Ratings</b>	Health:	0
	Flammability:	0
	Reactivity:	0
<b>HMIS Rating</b>	Health:	0
	Flammability:	1
	Reactivity:	0
	Protective Equipment:	No data available

## Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Graphite	7782-42-5	100	2 mg/m <sup>3</sup>	15 mppcf

## Section 4. First Aid Measures

<b>General Advice</b>	No data available
<b>If Inhaled</b>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.
<b>In Case of Skin Contact</b>	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.
<b>In Case of Eye Contact</b>	Rinse opened eye for several minutes under running water and then consult a doctor.
<b>If Swallowed</b>	Seek medical treatment.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	No data available.

## Section 5. Fire-fighting Measures

<b>General Information</b>	Wear self-contained respirator and a fully protective impervious suit.
<b>Suitable Extinguishing Media</b>	CO <sub>2</sub> , extinguishing powder or water spray. Fight larger fires with water spray.
<b>Special Hazards Arising from the Substance or mixture</b>	Powder; highly flammable.
<b>Advice for Firefighters</b>	Wear self-contained breathing apparatus for fire fighting, if necessary.
<b>Flash Point</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Further Information</b>	No data available

## Section 6. Accidental Release Measures

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	The usual precautionary measure should be followed for handling chemicals. Keep away from food stuff, beverage, and feed. Wash hands at breaks and at the end of the day. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
<b>Environmental Precautions</b>	Prevent further leakage or spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>Methods and Materials for Containment and Cleaning</b>	Pick up mechanically. See Section 6 for information on safe handling. See Section 7 for information on personal protection equipment. See Section 12 for disposal information.
<b>Reference to Other Sections</b>	For disposal, see Section 13.

## Section 7. Handling and Storage

<b>Precautions for Safe Handling</b>	Keep container tightly sealed. Store in cool, dry place in tightly closed containers. No special precautions are necessary if used correctly.
<b>Conditions for Safe Storage, Including any Incompatibilities</b>	Store away from oxidizing agents. Store away from halogens. Do not store together with acids. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.
<b>Specific End Use(s)</b>	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

## Section 8. Exposure Controls and Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available
<b>Appropriate Engineering Controls</b>	If used in fume hood designed for chemical hazards, velocity should be an average of 100 feet per minute.
<b>Eye/Face Protection</b>	Safety glasses.
<b>Skin Protection</b>	Impervious gloves.
<b>Body Protection</b>	Lab coat or similar protective work clothing.
<b>Respiratory Protection</b>	Use suitable respirator when high concentrations are present.
<b>Control of Environmental Exposure</b>	No data available

## Section 9. Physical and Chemical Properties

<b>Appearance</b>	Form: Foil Color: Black
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Freezing Point</b>	3,652-3,697 °C (6,606-6,687 °F)
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	2.25 g/cm <sup>3</sup> @ 20 °C
<b>Relative Density</b>	No data available
<b>Water Solubility</b>	Insoluble
<b>Partition Coefficient : n-octanol/water</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Other Safety Information</b>	No data available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Carbon monoxide and carbon dioxide.
<b>Conditions to Avoid</b>	Decomposition will not occur if used and stored according to specifications.
<b>Incompatible Materials</b>	Oxidizing agents, acids, halogens, interhalogens, and alkali metals

## Section 11. Toxicological Information

<b>Routes of Exposure</b>	<i>On the skin:</i>	Irritant effect
	<i>On the eye:</i>	Irritant effect
	<i>Inhalation:</i>	Has caused pneumoconiosis in exposed workers in large concentration.
	<i>Ingestion:</i>	No data available
<b>Respiratory or Skin Sensitization</b>		No data available
<b>Signs and Symptoms of Overexposure</b>		No data available
<b>Toxicity Data</b>	<i>Oral rat LD 50</i>	No data available

## Section 12. Ecological Information

<b>General Notes</b>	Do not allow material to be released to the environment without proper governmental permits.
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## Section 13. Disposal Considerations

<b>Product</b>	Consult state, local, or national regulations to ensure proper disposal.
<b>Contaminated Packaging</b>	Disposal must be made according to official regulations.

## Section 14. Transport Information

<b>DOT Shipping Name</b>	Graphite
<b>UN Proper Shipping Name</b>	Not a hazardous material for transportation.
<b>DOT Hazard Class</b>	Not a hazardous material for transportation.
<b>Packing Group</b>	Not a hazardous material for transportation.
<b>UN Number</b>	Chemical NOS
<b>Hazardous Ingredients</b>	Not a hazardous material for transportation.
<b>DOT Label</b>	Not a hazardous material for transportation.
<b>DOT Placard</b>	Not a hazardous material for transportation.
<b>IMDG Shipping Name</b>	No data available
<b>UN Number</b>	No data available
<b>Class</b>	No data available
<b>Packing Group</b>	No data available
<b>IATA Shipping Name</b>	No data available
<b>Technical Shipping Name</b>	No data available
<b>IATA Hazard Class</b>	No data available
<b>UN Number</b>	No data available
<b>Hazardous Ingredients</b>	No data available
<b>IATA Label</b>	No data available
<b>IATA Placard</b>	No data available

## Section 15. Regulatory Information

<b>OSHA Status</b>	No data available	
<b>TSCA Status</b>	Listed on chemical inventory.	
<b>CERCLA Reportable Quantity</b>	No data available	
<b>SARA Title III</b>	No data available	
<b>RCRA Status</b>	No data available	
<b>California Proposition 65</b>	No data available	
<b>Chemical Weapons Convention</b>	No data available	
<b>TSCA 12 (b)</b>	No data available	
<b>SARA 311/312</b>	Acute:	No data available
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
<b>Australian Hazchem Code</b>	No data available	
<b>Poison Schedule</b>	No data available	
<b>WHMIS</b>	No data available	

## Section 16. Other Information

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For R&D use only. Not for drug, household, or other uses.

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