

Safety Data Sheet

Trade name: Graphite
Product No: 50-xxx

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SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name	American Carbon Synthetic Graphite
MSDS Number	50-100
Recommended Product Use	Machining
Restrictions on Product Use	None
Manufacturer	American Carbon Company W246S3244 Industrial Ln. Unit A Waukesha, WI 53189
Print Date	12/03/2015
Emergency Phone Number	262-617-2765

SECTION 2: HAZARDS IDENTIFICATION

This material is not considered hazardous in its solid form, but may create hazardous dust during handling and use. Dust in high concentrations and confined space may cause an explosive situation.

GHS Classification in accordance with
29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2), H319
STOT – single exposure (Category 3), Respiratory system, H335

GHS Label Elements

Pictogram



Signal Word

Warning

Hazard Statements

H335

May cause respiratory irritation

Precautionary Statements

P261

Avoid breathing dust

P264

Wash skin thoroughly after handling

P304+P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses.

Hazards not otherwise classified

May form combustible dust concentrations in air during processing (including but not limited to: cutting, sanding, drilling and other processes). Users of this material should perform combustibility testing prior to use, specific to their use conditions if dust is being generated.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures

For non-emergency personnel

Minimize dust generation and accumulation. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment.

For Emergency Responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Non-sparking tools should be used when working with dust. See also Section 8 for additional information on hygiene measures.

Environmental Precautions

Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. See section 13 for waste disposal information.

Methods and materials for containment and cleaning up

Small Spill

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose via a licensed waste disposal contractor.

Large Spill

If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advise on general occupational hygiene

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Dust levels must be kept within prescribed limits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Protective Measures

Provide adequate ventilation. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Non-sparking tools should be used when working with dust. Put on appropriate personal protective equipment (see Section 8).

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name	Exposure Limits
Synthetic Graphite	15 mg/m ³ per USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures

This product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling dusts generated from this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Hygiene measures

Wash hands, forearms and face thoroughly after handling product, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory

Use NIOSH-approved respiratory protective equipment if exposures exceed established limits.

Hands

Wear gloves appropriate for task being performed.

Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary. Safety glasses with side shields recommended.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Appearance	Gray to Black
Odor	None
Odor threshold	N/A
Ph	N/A
Melting point	N/A
Boiling point	N/A
Flash Point	N/A
Evaporation rate	N/A
Flammable limits	
Lower:	N/A
Upper:	N/A
Vapor pressure	N/A
Vapor density	N/A
Relative density	1.4 – 2.2 g/cc
Solubility	N/A
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
SADT	N/A
Viscosity	N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Minimize dust generation and accumulation.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Conditions to avoid Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: There is no data available	
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available
Teratogenicity:	No data available
Carcinogenicity:	No data available
Specific Target Organ Toxicity (Repeated Exposure):	No data available
Reproductive Toxicity:	No data available

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Specific Target Organ Toxicity (Single Exposure):	No data available
Aspiration Hazard:	No data available
Potential Adverse Human Health Effects and Symptoms:	No known significant effects or critical hazards.
Symptoms/Injuries After Inhalation:	No known significant effects or critical hazards.
Symptoms/Injuries After Skin Contact:	No known significant effects or critical hazards.
Symptoms/Injuries After Eye Contact:	No known significant effects or critical hazards.
Symptoms/Injuries After Ingestion:	No known significant effects or critical hazards.
Chronic Symptoms:	No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Environmental effects	
Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative Potential	No data available
Mobility in soil	
Soil/water partition coefficient	No data available
Other adverse effects	The material is inert and is not expected to pose a threat to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	The generation of waste should be avoided or minimized wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT	
Identification Number	not regulated
Hazard Class	
Packing Group	
Proper Shipping Name	
Label Codes	
ERG Number	
In Accordance with IMDG	
Identification Number	not regulated
Hazard Class	
Packing Group	
Proper Shipping Name	
Label Codes	
ERG Number	

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In Accordance with IATA
Identification Number not regulated
Hazard Class
Packing Group
Proper Shipping Name
Label Codes
ERG Number

SECTION 15: REGULATORY INFORMATION

Toxic Substances Control Act (TSCA)	Synthetic Graphite (CAS 7440-44-0) Listed
SARA 302 Extremely Hazardous Substances	Not Listed
SARA 311/312 Classification	Not Applicable
Massachusetts	Not Listed
Pennsylvania	Not Listed
New Jersey	Not Listed
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (U.S.A.)
Health: 0 Flammability: 0 Physical Hazards: 0
Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

NFPA Rating (U.S.A.)
Health: 0 Flammability: 0 Reactivity Hazard: 0

History	
Date of Issue mm/dd/yyyy	12/03/2015
Date of previous issue	N/A
Version	1.0
Prepared by	American Carbon Company
Notice to Reader	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.