

## Material Safety Data Sheet

### Carbonizer

Mail to: BioScientific, Inc.  
4405 South Litchfield Road, Avondale, AZ 85323

#### EMERGENCY ASSISTANCE

For emergency assistance involving **Carbonizer**, call BioScientific at (623) 932-4588 or (800) 872-2461. Product and sales information contact BioScientific call (877) 4BIOSCI

#### PRODUCT IDENTIFICATION

Product name: Carbonizer  
Common names/synonyms: Humic Acid Enhancer, HAE, First Choice  
Carbonizer, Safe-Start, Carbonizer

#### HAZARDOUS INGREDIENTS/IDENTITY

Complies with OSHA 29 CFR XVII-1910.1200 Section(l) "trade secrets." Contains no hazardous components under current OSHA definitions.

#### PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling point, degrees (f): > 210 @ 1 amt  
Specific gravity (H2O = 1): 1.0156  
Weight per gallon: 8.46

Vapor pressure (mm hg):	17mm @ 68 deg f.
Vapor density (air = 1):	0.62
Solubility in water:	20%
Percent volatile (%):	N/A
Evaporation rate:	0.08
Appearance and odor:	Black liquid, slight odor
Melting point:	None

### FIRE & EXPLOSION DATA

Flash point:	None
	Method used: p-m closed cup
Auto-ignition temp:	None
Special fire procedures:	None
Extinguisher media:	None, product decomposes w/o flame
Unusual fire and explosion hazards:	None

### PHYSICAL HAZARDS (REACTIVITY DATA)

Stability:	None known
Conditions to avoid:	None known
Incompatibility (materials to avoid):	This material will neutralize acids
Hazardous decomposition products:	None, material is non-combustible
Hazardous polymerization:	Will not occur

### HEALTH HAZARDS

Acute:	None known
Chronic:	None known

Signs and symptoms of exposure:	May dry out sensitive skin after prolonged contact, may cause skin staining
Medical conditions generally aggravated by exposure:	None
Chemical listed as carcinogen or potential carcinogen:	None
National toxicology program:	No
I.A.R.C. Monographs:	No
OSHA:	No
Emergency and first aid procedures:	None
Routes of entry:	
Inhalation:	None
Eyes:	Rinse thoroughly with water for 15 minutes, see physician
Skin:	None
Ingestion:	Dilute with water, see physician.

### SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions for handling and storage:	Keep container tightly sealed - will stratify at 32 degrees (f), may be thawed and re-mixed.
Other precautions:	Area of spill may become slippery
Steps for released or spilled:	No special requirements known
Waste disposal methods:	Dispose of material in accordance with all local, state and federal laws and regulations, no special requirements known.

## SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Local exhaust/ventilation	Normal
Mechanical:	N/A
Respiratory protection:	None required
Protective gloves:	Not required
Eye protection:	Not required, but recommended
Other protective clothing or equipment:	Not required
Work hygienic practices:	Normal