

# MATERIAL SAFETY DATA SHEET • MSDS



## SECTION I • PRODUCT IDENTIFICATION

<b>TRADE NAME</b>	<b>SILICON CARBIDE POWDER</b>
<b>ANAMET PRODUCT NUMBER</b>	<b>58XX-X</b>
<b>CHEMICAL NAME</b>	

**MANUFACTURER / SUPPLIER'S NAME** ANAMET  
**ADDRESS** P.O. Box 538  
BOUCHERVILLE, QUÉBEC, J4B 6Y2  
**TELEPHONE NO.** (450) 646-1290  
**EMERGENCY TELEPHONE NO.** CANUTEC: (613) 996-6666

## SECTION II • COMPOSITION / INFORMATION ON COMPONENTS

<b>Chemical characterization Description</b>	<b>CAS number</b>	<b>%</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Silicon Carbide.	409-21-2	99	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Silicon Dioxide.	14808-60-7	<1	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

**NOTE:** Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

## SECTION III • PHYSICAL / CHEMICAL CHARACTERISTICS

<b>Boiling point in °C</b>	Not available.	<b>Vapor pressure (mm Hg)</b>	Not applicable.
<b>Melting point in °C</b>	2700 °C	<b>Vapor density (Air = 1)</b>	Not applicable.
<b>Specific Gravity (Water = 1)</b>	2.21	<b>Evaporation rate (Butyl acetate = 1)</b>	Not applicable.
<b>Solubility in water</b>	Insoluble.		
<b>Appearance and odor</b>	Gray black powder / Odorless.		

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## SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	Not flammable.			
Flammable limits	LEL	Not applicable.	UEL	Not applicable.
Extinguishing medium	Not applicable.			
Special fire fighting procedures	Does not burn.			
Unusual fire and explosion hazards	None known.			

## SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid using product in totally unventilated areas.
Incompatibility	Strong acids, strong bases, and strong oxidizing agents.
Hazardous decomposition products	Not established.
Hazardous Polymerization	Will not occur.

## SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

### A - SUGGESTED FIRST AID

Eyes	Wash with large amounts of water and obtain medical assistance.
Skin	Wash with soap and water. If irritation persists, obtain medical assistance.
Inhalation	Remove to fresh air and obtain medical assistance.
Ingestion	Obtain medical attention. Do not induce vomiting.

### B – TOXICOLOGICAL INFORMATION

**PRIMARY ENTRY ROUTES:** Inhalation, contact de pea.

#### • SHORT TERM EXPOSURE

Inhalation	May cause coughing and shortness of breath. May affect breathing capacity.
Skin	May cause skin abrasion.
Eyes	Dust is an eye irritant.
Ingestion	May cause vomiting and nausea.

#### • LONG TERM EXPOSURE

Carcinogenicity	None.
Teratogenicity and other effects	None.
Skin Sensitization	Prolonged contact may cause skin abrasion.
Respiratory tract sensitization	Dust may slightly be irritating to the respiratory tract at high concentrations.
Synergistic materials	None.

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## SECTION VII • PRECAUTIONARY INFORMATION

### PERSONAL PROTECTIVE MEASURES

<b>Eyes, face &amp; hands</b>	Recommend standard face and eye protection at all times while using the product.
<b>Respiratory protection</b>	As needed, use approved dust respirator (OSHA CFR1910.134)
<b>Ventilation</b>	Do not use without adequate ventilation (OSHA 29CFR1910.94) (OSHA 29CFR1910.1000) (OSHA CFR1910.213) (OSHA 1910.243). Use adequate local and mechanical exhaust ventilation.
<b>Hearing</b>	As needed in accordance with OSHA 1910-215.
<b>HMIS Hazard Ratings</b>	Health : 1      Flammability : 0      Reactivity : 0

## SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

<b>Spill or leak procedure</b>	Use ordinary precautions for dusts and particulates.
<b>Waste disposal</b>	Disposal should be in accordance with local, state, or national legislation. Incinerate under approved controlled conditions.

## SECTION IX • STORAGE AND HANDLING

<b>Storage</b>	No special requirements.
<b>Handling</b>	Minimize generation of dust.
<b>Shipping classification</b> <b>DOT hazard class</b>	<ul style="list-style-type: none"><li>• <b>Dot Shipping Name:</b> Not regulated.</li><li>• <b>TDG/UN Shipping Names:</b> Not regulated.</li><li>• <b>UN Number:</b> Not regulated.</li><li>• <b>Hazard Class:</b> Not regulated.</li><li>• <b>Packing Group:</b> Not regulated.</li><li>• <b>TDG Exemption:</b> Not regulated.</li><li>• <b>Label:</b> Not regulated.</li><li>• <b>IATA Class:</b> Not regulated.</li><li>• <b>IMDG Class:</b> Not regulated.</li></ul>
<b>HMIS Coding</b>	Health: 1      Flammability: 0      Reactivity: 0

## SECTION X • ECOLOGICAL INFORMATION

<b>Environmental Fate and Distribution</b>	Not established.
<b>Persistence and Degradation</b>	Not established.
<b>Toxicity</b>	Not established.
<b>Effect of effluent treatment</b>	Not established.

**SECTION XI • REGULATORY INFORMATION****• EC REGULATIONS:**

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III

- Section 302: None.
- Section 311/312: Chronic.
- Section 313: Silicon Carbide powder.

RCRA STATUS: Not regulated.

**• CANADIAN REGULATIONS:**

WHMIS Classification: Not regulated.

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## TERMINOLOGY

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstract Service

**CFR:** Code of Federal Regulations (Transportation in U.S.A.)

**DOT:** Department of Transportation (USA)

**DSL:** Domestic Substance List

**IARC:** International Agency for Research and Cancer

**LC:** Lethal Concentration

**LD:** Lethal Dosage

**MSHA:** Mine Safety and Health Administration (USA)

**NIOSH:** National Institute for Occupational Safety and Health (USA)

**NTP:** National Toxicology Program (U.S.A.)

**OSHA:** Occupational Safety and Health Administration (USA)

**PEL:** Permissible exposure limit.

**STEL:** Short term exposure limit.

**TDG:** Transportation of Dangerous Goods

**TLV:** Threshold limits value.

**TSCA:** Toxic Substances Control Act

**TWA:** Time-weighted average

**USEPA:** United States Environmental Protection Agency

**WHMIS:** Workplace Hazardous Materials Information System