

# MATERIAL SAFETY DATA SHEET • MSDS



## SECTION 1 • PRODUCT IDENTIFICATION

<b>TRADE NAME</b>	<b>DIAMOND BLADE</b>
<b>ANAMET PRODUCT NUMBER</b>	<b>140M-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>% max</b>	<b>OSHA PEL (mg/m<sup>3</sup>)</b>	<b>ACGIH TLV (mg/m<sup>3</sup>)</b>
Diamond	7782-40-3	-	-	-
Copper	7440-50-8	<5	0.1	0.2

**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 applicable.	<b>Vapor pressure (mm Hg)</b>	Not applicable.
<b>Melting point in °C</b>	>240 °C (463°F)	<b>Vapor density (Air = 1)</b>	Not applicable.
<b>Density (Water = 1)</b>	2-4	<b>Evaporation rate (Butyl acetate= 1)</b>	Not applicable.
<b>Solubility in water</b>	Insoluble.		
<b>Appearance and odor</b>	Solid product. May give off an odor when in use.		

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## SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	Not applicable			
Flammable limits	LEL	Not applicable.	UEL	Not applicable.
Extinguishing medium	Water.			
Special fire fighting procedures	Not available.			
Unusual fire and explosion hazards	None known.			

## SECTION V • REACTIVITY

Stability	Stable.
Incompatibility	Not available.
Hazardous decomposition products	When in use, decomposing odors are generated. In most cases, the material removed from the work piece will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.
Hazardous Polymerization	Will not occur.

## SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

### A - SUGGESTED FIRST AID

Eyes	Wash with large amounts of water. Obtain first aid and/or medical assistance if needed.
Skin	Wash affected areas with soap and water. Obtain medical assistance.
Inhalation	Remove to fresh air. Artificial respiration as needed and obtain medical assistance.
Ingestion	Obtain medical assistance.

### B - TOXICOLOGICAL INFORMATION

**PRIMARY ENTRY ROUTES:** Skin contact, inhalation and eye contact.

#### • SHORT TERM EXPOSURE

Eyes	Dust may irritate eyes.
Skin	Some may experience skin irritation from dust.
Inhalation	Acute: coughing, shortness of breath. Chronic: May affect breathing capacity.
Ingestion	Not known to have adverse effects, but ingestion is not recommended.

#### • LONG TERM EXPOSURE

Carcinogenicity	None.
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Teratogenicity, Mutagenicity and other reproductive effects	None.
Skin Sensitization	None.
Respiratory tract sensitization	None.
Synergistic materials	None.

## SECTION VII • PRECAUTIONARY INFORMATION PERSONAL PROTECTIVE MEASURES

Eye protection	Wear safety glasses. See OSHA 29 CFR 1910.33
Respiratory protection	Respirators are required when airborne contaminant levels exceed the TLV.
Ventilation	Use adequate ventilation. See OSHA 29 CFR 1910.94 & 29 CFR 1910.1000
Others	See OSHA 29 CFR 1910.25.
HMIS Ratings	Health: 1 Flammability: 0 Reactivity: 0

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

Spill or leak procedure	Clean up in standard manner.
Waste disposal	Follow standard landfill methods consistent with federal, provincial and municipal laws.

## SECTION IX • STORAGE AND HANDLING

Storage	Store in cool, well ventilated dry area.
Handling	<ul style="list-style-type: none"> <li>• Always handle and store wheels in a careful manner.</li> <li>• Always visually inspect all wheels before mounting.</li> <li>• Always check machine speed against the established maximum safe operating speed marked on the wheel.</li> <li>• Always check mounting flanges for equal and correct diameter.</li> <li>• Always use mounting blotters on wheels for dry cutting.</li> <li>• Always be sure work rest is properly adjusted.</li> <li>• Always use a safety guard covering at least one half of the grinding wheel.</li> <li>• Always allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding.</li> <li>• Always turn off coolant before stopping wheel to avoid creating an out-of-balance wheel.</li> </ul>
Shipping classification	<ul style="list-style-type: none"> <li>• <b>Dot Shipping Name:</b> Not regulated.</li> </ul>

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<b>DOT hazard class</b>	<ul style="list-style-type: none"> <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>ATA 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 available.
<b>Persistence and Degradation</b>	Not available.
<b>Toxicity</b>	Not available.
<b>Effect of effluent treatment</b>	Not available.

## SECTION XI • REGULATORY INFORMATION

<b>• EC REGULATIONS:</b>
<p>TSCA STATUS: On Toxic Substance Control Inventory.                  CERCLA REPORTABLE QUANTITY: None.                  SARA TITLE III</p> <ul style="list-style-type: none"> <li>• Section 302: None.</li> <li>• Section 311/312: None.</li> <li>• Section 313: Copper.</li> </ul> <p>RCRA STATUS: Not regulated.</p>
<b>• CANADIAN REGULATIONS:</b>
<p><u>WHMIS Classification: Not regulated.</u></p>

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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