

# MATERIAL SAFETY DATA SHEET • MSDS



## SECTION 1 • PRODUCT IDENTIFICATION

<b>TRADE NAME</b>	<b>ZIRCONIUM OXIDE ABRASIVE DISCS</b>
<b>ANAMET PRODUCT NUMBER</b>	<b>453-XXX</b>

### CHEMICAL NAME

**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

Chemical characterization Description	CAS number	%	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Aluminum Oxide.	1344-28-1	15-30	15	10
Zirconium Oxide.	7440-67-7	15-30	5	5
Bonding resin.	Not established.	2-5	Not Applicable.	Not Applicable.

**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>	Not Applicable.	<b>Vapor density (Air = 1)</b>	Not Applicable.
<b>Density (Water = 1)</b>	Not Applicable.	<b>Evaporation rate (Butyl acetate = 1)</b>	Not Applicable.
<b>Solubility in water</b>	Insoluble.		
<b>Appearance and odor</b>	Solid particle / Odorless.		

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## SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	Not applicable.			
Flammable limits	LEL	Not applicable.	UEL	Not Applicable.
Extinguishing medium	Water, carbon dioxide, foam and dry chemical.			
Special fire fighting procedures	Not applicable.			
Unusual fire and explosion hazards	Not applicable.			

## SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid using product in totally unventilated area.
Incompatibility	Strong acids, strong bases, and strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
Hazardous decomposition products	In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the coated abrasives components.
Hazardous Polymerization	Will not occur.

## SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

### A - SUGGESTED FIRST AID

Eyes	Immediately flush with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention, if irritation or symptoms of overexposure persists...
Skin	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation	If dust from cutting or drilling is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
Ingestion	Accidental ingestion of this material is unlikely, If this does occur, watch person for several days to make sure intestinal blockage does not occur. If symptoms persist, call a physician.

### B – TOXICOLOGICAL INFORMATION

**PRIMARY ENTRY ROUTES:** Inhalation.

#### • SHORT TERM EXPOSURE

Eyes	Dust May cause slight irritation.
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<b>Skin</b>	Dust from this product may cause temporary mechanical irritation
<b>Inhalation</b>	Dusts from this product may cause mechanical irritation of the nose, throat and respiratory tract.
<b>Ingestion</b>	Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal and disturbances.

## • LONG TERM EXPOSURE

<b>Carcinogenicity</b>	None.
<b>Teratogenicity, Mutagenicity and other reproductive effects</b>	None.
<b>Skin Sensitization</b>	None.
<b>Respiratory tract sensitization</b>	Dust may slightly be irritating to the respiratory tract at high concentrations.
<b>Synergistic materials</b>	None.

## SECTION VII • PRECAUTIONARY INFORMATION

### PERSONAL PROTECTIVE MEASURES

<b>Eyes, face &amp; hands</b>	Recommend standard face and eye protection at all times while using abrasive belts.
<b>Respiratory</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 Ratings</b>	Health : 1      Fire : 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>	Store coated abrasives in moderate constant temperature and humidity conditions.
<b>Handling</b>	Because of the possibility of abrasions use normal hand, face and body

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	protection.
Shipping classification DOT hazard class	<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>
HMIS Coding	Health: 1 Flammability: 0 Reactivity: 0

## SECTION X • ECOLOGICAL INFORMATION

Environmental Fate and Distribution	Not established.
Persistence and Degradation	Not established.
Toxicity	Not established.
Effect of effluent treatment	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: None.
- Section 313: None.

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