

# MATERIAL SAFETY DATA SHEET • MSDS



## SECTION 1 • PRODUCT IDENTIFICATION

|                              |                       |
|------------------------------|-----------------------|
| <b>TRADE NAME</b>            | <b>ABRASIVE WHEEL</b> |
| <b>ANAMET PRODUCT NUMBER</b> | <b>146-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

| Chemical characterization<br>Description | CAS number      | %     | OSHA PEL<br>(mg/m <sup>3</sup> ) | ACGIH TLV<br>(mg/m <sup>3</sup> ) |
|--|-----------------|-------|----------------------------------|-----------------------------------|
| Fused Aluminum Oxide.                    | 1344-28-1       | 48-92 | 15.00                            | 10.00                             |
| Silicon carbide.                         | 409-21-2        | 48-92 | 15.00                            | 10.00                             |
| Fluorides (as F).                        | Not available** | 8-24  | 2.50                             | 2.50                              |
| Sulfur.                                  | 7704-34-9       | 1-8   | Not available.                   | 10.00                             |
| Red Iron Oxide.                          | 1309-37-1       | 2-10  | 10.00                            | 5.00                              |
| Calcium oxide***                         | 1305-78-8       | 0-1   | 5.00                             | 2.00                              |

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

\*Materials are regulated by OSHA 29 CFR 1910.1200

\*\*Product is a compound and/or mixture.

\*\*\*Partially or completely hydrated during cure, becoming calcium hydroxide.

## 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 available.   | <b>Vapor density (Air = 1)</b>             | Not applicable. |
| <b>Density (Water = 1)</b> | 2-3  | <b>Evaporation rate (Butyl acetate= 1)</b> | Not applicable. |
| <b>Solubility in water</b> | Insoluble.   |  |                 |
| <b>Appearance and odor</b> | Solid, no odor when supplied. Typical rubber odor when in use. |  |                 |

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## SECTION IV • FIRE / EXPLOSION HAZARD

|                                    |  |                 |     |                 |
|------------------------------------|--|-----------------|-----|-----------------|
| Flash point                        | Product is non-flammable.  |                 |     |                 |
| Flammability Limits                | LEL  | Not applicable. | UEL | Not applicable. |
| Extinguishing media                | Water spray, foam, dry powder or CO <sub>2</sub> . Keep fire exposed containers cool by spraying with water. |                 |     |                 |
| Special fire fighting procedures   | A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.     |                 |     |                 |
| Unusual fire and explosion hazards | Carbon Monoxide, carbon dioxide and other irritant gases.  |                 |     |                 |

## SECTION V • REACTIVITY

|                                  |                 |
|----------------------------------|-----------------|
| Stability                        | Stable.         |
| Incompatibility                  | Not available.  |
| Hazardous decomposition products | None.           |
| Hazardous Polymerization         | Will not occur. |

## SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

### A - SUGGESTED FIRST AID

|            |   |
|------------|---|
| Eyes       | Irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Obtain medical attention. Never give anything by mouth to an unconscious person. Call a physician.      |
| Skin       | Wash affected areas with soap and water. Obtain medical assistance.   |
| Inhalation | Remove patient from exposure, keep warm and at rest. Obtain immediate medical attention.  |
| Ingestion  | Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention. Never give anything by mouth to an unconscious person. Call a physician. |

### B – TOXICOLOGICAL INFORMATION

**PRIMARY ENTRY ROUTES:** Inhalation, ingestion, skin, and eye.

#### ▼ SHORT TERM EXPOSURE ▼

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

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|                                     |   |
|-------------------------------------|---|
| <b>Other potential health risks</b> | Grinding may create elevated sound levels which may affect hearing and may aggravate pre-existing respiratory conditions. |
|-------------------------------------|---|

## ▼ LONG TERM EXPOSURE ▼

|  |  |
|--|--|
| <b>Carcinogenicity</b>   | No ingredients listed by IARC, ACGIH, NTP, and OSHA as a carcinogen.   |
| <b>Teratogenicity, Mutagenicity and other reproductive effects</b> | There is no reason to believe that this product represents a significant mutagenic hazard to man based upon evidence from well conducted animal studies, relevant Mutagenicity studies, and adequate epidemiology studies in relevant cohorts. |
| <b>Skin Sensitization</b>  | This product may cause skin sensitization (allergy).   |
| <b>Respiratory tract sensitization</b>                             | Not available.   |
| <b>Synergistic materials</b>                                       | Not available.   |

## SECTION VII • PRECAUTIONARY INFORMATION PERSONAL PROTECTIVE MEASURES

|                               |   |
|-------------------------------|---|
| <b>Eye protection</b>         | Wear safety glasses. See OSHA 29 CFR 1910.33  |
| <b>Respiratory protection</b> | Respirators are required when airborne contaminant levels exceed the TLV.                                     |
| <b>Ventilation</b>            | Use adequate ventilation. See OSHA 29 CFR 1910.94 & 29 CFR 1910.1000  |
| <b>Hearing</b>                | May create elevated sound levels. See OSHA 29 CFR 1910.134. Hearing protection should be worn where required. |
| <b>Other precautions</b>      | See OSHA 29 CFR 1910.25.  |
| <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> | Clean up in standard manner.   |
| <b>Waste disposal</b>          | Follow standard landfill methods consistent with federal, provincial and municipal laws. |

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## SECTION IX • STORAGE AND HANDLING

|                                |  |
|--------------------------------|--|
| <b>Storage</b>                 | Store in a cool well ventilated dry area.  |
| <b>Handling</b>                | <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-off balance wheel.</li> </ul> |
| <b>Shipping classification</b> | <ul style="list-style-type: none"> <li>• Dot Shipping Name: Not regulated.</li> <li>• TDG/UN Shipping Names: Not Available.</li> <li>• UN Number: Not Available.</li> </ul>  |
| <b>DOT Hazard Class</b>        | <ul style="list-style-type: none"> <li>• Hazard Class: Not Available.</li> <li>• Packing Group: Not Available.</li> <li>• TDG Exemption: Not Available.</li> <li>• Label: Not Available.</li> <li>• IATA Class: Not regulated.</li> <li>• IMDG Class: Not regulated.</li> </ul>  |
| <b>HMIS Coding</b>             | Health: 1 Flammability: 0 Reactivity: 0  |

## SECTION X • ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Environmental Fate and Distribution</b> | Insoluble in water.   |
| <b>Persistence and Degradation</b>         | Not readily biodegradable.  |
| <b>Toxicity</b>                            | Not available.  |
| <b>Effect of effluent treatment</b>        | The product is substantially removed in biological treatment processes. |



**SECTION XI • REGULATORY INFORMATION**

**• EC REGULATIONS:**

TSCA STATUS: On Toxic Substance Control Inventory.  
 CERCLA REPORTABLE QUANTITY: Not regulated.  
 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

**HMIS:** Hazardous material information sheet

**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