

MATERIAL SAFETY DATA SHEET • MSDS



SECTION 1 • PRODUCT IDENTIFICATION

| | |
|------------------------------|-----------------------|
| TRADE NAME | ABRASIVE WHEEL |
| ANAMET PRODUCT NUMBER | 111-X |

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 ³) | ACGIH TLV (mg/m ³) |
|---------------------------------------|-----------------|-------|-------------------------------|--------------------------------|
| 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.

MATERIAL SAFETY DATA SHEET • MSDS



SECTION III • PHYSICAL / CHEMICAL CHARACTERISTICS

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|---------------------|--|-------------------------------------|-----------------|
| Boiling point in °C | Not applicable. | Vapor pressure (mm Hg) | Not applicable. |
| Melting point in °C | Not available. | Vapor density (Air = 1) | Not applicable. |
| Density (Water = 1) | 2-3 | Evaporation rate (Butyl acetate= 1) | Not applicable. |
| Solubility in water | Insoluble. | | |
| Appearance and odor | Solid, no odor when supplied. Typical rubber odor when in use. | | |

SECTION IV • FIRE / EXPLOSION HAZARD

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|------------------------------------|--|-----------------|-----|-----------------|
| Flash point | Product is non-flammable. | | | |
| Flammability Limits | LEL | Not applicable. | UEL | Not applicable. |
| Extinguishing media | Water spray, foam, dry powder or CO ₂ . 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

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

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

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| 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. |

MATERIAL SAFETY DATA SHEET • MSDS



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| 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. |
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B – TOXICOLOGICAL INFORMATION

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

▼ SHORT TERM EXPOSURE ▼

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

▼ LONG TERM EXPOSURE ▼

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| Carcinogenicity | No ingredients listed by IARC, ACGIH, NTP, and OSHA as a carcinogen. |
| Teratogenicity, Mutagenicity and other reproductive effects | 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. |
| Skin Sensitization | This product may cause skin sensitization (allergy). |
| Respiratory tract sensitization | Not available. |
| Synergistic materials | Not available. |

SECTION VII • PRECAUTIONARY INFORMATION PERSONAL PROTECTIVE MEASURES

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| 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 |
| Hearing | May create elevated sound levels. See OSHA 29 CFR 1910.134. Hearing protection should be worn where required. |
| Other precautions | See OSHA 29 CFR 1910.25. |
| HMIS Hazard Ratings | Health: 1 Flammability: 0 Reactivity: 0 |

MATERIAL SAFETY DATA SHEET • MSDS



SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

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| 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

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| Storage | Store in a cool well ventilated dry area. |
| Handling | <ul style="list-style-type: none"> • Always handle and store wheels in a careful manner. • Always visually inspect all wheels before mounting. • Always check machine speed against the established maximum safe operating speed marked on the wheel. • Always check mounting flanges for equal and correct diameter. • Always use mounting blotters on wheels for dry cutting. • Always be sure work rest is properly adjusted. • Always use a safety guard covering at least one half of the grinding wheel. • Always allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding. • Always turn off coolant before stopping wheel to avoid creating an out-of-balance wheel. |
| Shipping classification | <ul style="list-style-type: none"> • Dot Shipping Name: Not regulated. • TDG/UN Shipping Names: Not available. • UN Number: Not available. |
| DOT Hazard Class | <ul style="list-style-type: none"> • Hazard Class: Not available. • Packing Group: Not available. • TDG Exemption: Not available. • Label: Not available. • IATA Class: Not regulated. • IMDG Class: Not regulated. |
| HMIS Coding | Health: 1 Flammability: 0 Reactivity: 0 |

SECTION X • ECOLOGICAL INFORMATION

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| Environmental Fate and Distribution | Insoluble in water. |
| Persistence and Degradation | Not readily biodegradable. |
| Toxicity | Not available. |
| Effect of effluent treatment | 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