

MATERIAL SAFETY DATA SHEET • MSDS



SECTION I • PRODUCT IDENTIFICATION

TRADE NAME	HIGH PURITY ALUMINUM OXIDE POWDER (NON DEAGGLOMERATED FORM)
ANAMET PRODUCT NUMBER	55XX-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	ACGIH TLV
Aluminum Oxide.	1344-28-1	99	10 mg/m ³	10 mg/m ³

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

SECTION III • PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point in °C	Not applicable.	Vapor pressure (mm Hg)	Not applicable.
Melting point in °C	2970 °C	Vapor density (Air = 1)	Not applicable.
Specific Gravity (Water = 1)	3.98	Evaporation rate (Butyl acetate = 1)	Not applicable.
Solubility in water	Soluble.		
Appearance and odor	White 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	Not established.			

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Not applicable.
Incompatibility	Not applicable.
Hazardous decomposition	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.

• SHORT TERM EXPOSURE

Eyes	Dust is an eye irritant.
Skin	May cause skin abrasion.
Inhalation	May cause coughing and shortness of breath. May affect breathing capacity.
Ingestion	Not established.

• LONG TERM EXPOSURE

Carcinogenicity	None.
Teratogenicity, Mutagenicity and other reproductive 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

Eyes, face & hands	Recommend standard face and eye protection at all times while using the product.
Respiratory protection	As needed, use approved dust respirator (OSHA CFR1910.134)
Ventilation	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.
Hearing	As needed in accordance with OSHA 1910-215.
HMIS Hazard Ratings	Health : 1 Flammability : 0 Reactivity : 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

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

SECTION IX • STORAGE AND HANDLING

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

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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: Acute, chronic.
- Section 313: Aluminum Oxide (Fibrous Forms).

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