

MATERIAL SAFETY DATA SHEET • MSDS



SECTION 1 • PRODUCT IDENTIFICATION

TRADE NAME	THERMOPLASTIC POWDER
ANAMET PRODUCT NUMBER	213-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)
Poly (methyl methacrylate).	9011-14-7	> 99	410	410

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 available.
Melting point in °C	Not established	Vapor density (Air = 1)	Not available.
Density (Water = 1)	Not applicable.	Evaporation rate (Butyl acetate= 1)	Not available.
Solubility in water	Negligible.		
Appearance and odor	Granular white powder with methacrylate smell.		

SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	300 °C (572°F).
Extinguishing medium	Water spray, foam, dry powder or CO ₂ .
Special fire fighting procedures	A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.
Unusual fire and explosion hazards	Combustible, but not readily ignited. May form an explosive dust clouds in air.

MATERIAL SAFETY DATA SHEET • MSDS



SECTION V • REACTIVITY

Stability	Stable.
Incompatibility	Not established.
Hazardous decomposition products	May decompose if heated above 200°C (392°F). Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.
Hazardous Polymerization	Will not polymerize.

SECTION VI • MEDICAL DATA

A - SUGGESTED FIRST AID

Eyes	Remove the irritating particles with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.
Skin	Wash skin with soap and water.
Inhalation	Remove patient from exposure. Obtain medical attention if ill effects occur.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Wash mouth with water and get medical attention if symptoms persist.

B – TOXICOLOGICAL INFORMATION

PRIMARY ENTRY ROUTES: Not established.

• SHORT TERM EXPOSURE

Eyes	Dust may cause irritation.
Skin	Unlikely to cause skin irritation.
Inhalation	Unlikely to be hazardous but dust or vapors may cause irritations. High concentrations of dust may be an irritant to the upper respiratory tract. High concentrations of vapors from hot operations may be harmful, cause irritation of the respiratory tract and slight narcotic effects.

• LONG TERM EXPOSURE

Carcinogenicity	None.
Teratogenicity, Mutagenicity and other reproductive effects	None.
Skin Sensitization	No information but adverse effects unlikely.
Respiratory tract sensitization	No information but adverse effects unlikely.
Synergistic materials	No information but adverse effects unlikely.

MATERIAL SAFETY DATA SHEET • MSDS



SECTION VII • PRECAUTIONRY INFORMATION

PERSONAL PROTECTIVE MEASURES

Eye , face & hands	The use of eye protection is recommended.
Respiratory protection	An approved dust mask should be worn if exposures to high levels of dust are likely.
Ventilation	Do not use without adequate ventilation,
Hearing	As needed in accordance with OSHA 1910-215.
HMIS Hazard Ratings	Health: 1 Fire: 1 Reactivity: 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

Spill or leak procedure	Spillage may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.
Waste disposal	Thermoplastic powder is considered to be non-hazardous. Clean scrap may be reprocessed. Incineration may be used to recover energy value. May be disposed of by landfill in accordance with local regulations. Ensure that all packaging is disposed of safely.

SECTION IX • STORAGE AND HANDLING

Storage	Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate. Store at ambient temperature.
Handling	Care should be taken to prevent burns from contact with hot material. All polymers degrade to some extent if over heated, an effect which increases with increasing temperature. It is therefore impossible to be precise about which substances may be evolved. However, it is only the minor components which vary substantially. The major components are given in the Section V. Avoid contact with eyes. Avoid prolonged skin contact. Avoid inhalation of high concentrations of dusts.
Shipping classification	<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. • ATA Class: Not regulated. • IMDG Class: Not regulated.
DOT hazard class	
HMIS Coding	Health: 1 Flammability: 1 Reactivity: 0



SECTION X • ECOLOGICAL INFORMATION

Environmental Fate and Distribution	High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.
Persistence and Degradation	The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.
Toxicity	The product is predicted to have low toxicity to aquatic organisms.
Effect of effluent treatment	The product is anticipated to be poorly removed in biological treatment processes.

SECTION XI • REGULATORY INFORMATION

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

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TERMINOLOGY

ACGIH: American Conference of Governmental Industrial Hygienists

ANSI: American National Standards Institute

CAS: Chemical Abstract Service

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act (USA)

CFR: Code of Federal Regulations (USA)

DOT: Department of Transportation (USA)

HMIS: Hazardous material information sheet

IARC: International Agency for Research on Cancer.

MSHA: Mine Safety and Health Administration (USA)

NIOSH: National Institute for Occupational Safety and Health (USA)

NTP: National Toxicology Program (USA)

OSHA: Occupational Safety and Health Administration (USA)

PEL: Permissible exposure limit.

RQ: Reportable Quantity

SARA: Superfund Amendments and Reauthorization Act (USA)

TLV: Threshold limits value.

TPQ: Threshold Planning Quantity (Quantity of the total material, expressed in pounds, which is extremely hazardous)

TSCA: Toxic Substances Control Act (USA)

UN/NA number: United Nations Serial Number, North American Number