

MATERIAL SAFETY DATA SHEET • MSDS



SECTION 1 • PRODUCT IDENTIFICATION

TRADE NAME	SPECIMEN LACQUER SPRAY
ANAMET PRODUCT NUMBER	240-12
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)
Propane.	74-98-6	14	1000	2500
Butane.	106-97-8	13	800	800
Toluene.	108-88-3	17	100	50
Medium Aromatic Hydrocarbons.	64742-94-5	3	Not available.	Not available.
Acetone.	67-64-1	41	1000	500
Ethyl 3-Ethoxypropionate.	763-69-9	4	Not available.	Not available.

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	< -18 - 212 °C.	Vapor pressure (mm Hg)	Heavier than air.
Melting point in °C	Not applicable.	Vapor density (Air=1)	>1.0
Density (Water = 1)	0.73	Evaporation rate (Butyl acetate= 1)	Faster than ether.
Solubility in water	Not available.		
Appearance and odor	Clear gas / Aromatic.		

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SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	Propellant: <math><10^{\circ}</math> F		
Flammable limits	LEL	0.80	UEL 12.80
Extinguishing medium	Carbon dioxide, dry chemical, foam.		
Special fire fighting procedures	Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.		
Unusual fire and explosion hazards	Containers may explode when exposed to extreme heat. Applications to hot surfaces require special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.		

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	None known.
Incompatibility	Open flames
Hazardous decomposition products by fire	Carbon dioxide, Carbon monoxide.
Hazardous Polymerization	Will not occur.

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

Eyes	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Inhalation	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.

B – TOXICOLOGICAL INFORMATION

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

▼ SHORT TERM EXPOSURE ▼

Eyes	Irritation.
Skin	Prolonged or repeated exposure may cause irritation.
Inhalation	Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

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Ingestion | May be harmful.

▼ LONG TERM EXPOSURE ▼

Carcinogenicity	Not established.
Teratogenicity, Mutagenicity and other reproductive effects	None.
Skin Sensitization	Can be a skin irritant.
Respiratory tract sensitization	Not available.
Synergistic materials	Not available.

SECTION VII • PRECAUTIONARY INFORMATION PERSONAL PROTECTIVE MEASURES

Eye, face & hands	Wear safety spectacles with imperforated side shields. No gloves are required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.
Respiratory protection	Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
Ventilation	Use adequate ventilation to meet exposure limits.
Hearing	As needed in accordance with OSHA 1910-215.
HMIS Ratings	Health: 2 Flammability: 4 Reactivity: 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

Spill or leak procedure	Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.
Waste disposal	Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, Provincial and Municipal regulations.

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SECTION IX • STORAGE AND HANDLING

Storage	Keep in a cool, well ventilated place. Do not puncture or incinerate.
Handling	Avoid contact with skin and eyes. Avoid inhalation of high concentration of vapors. Use in well ventilated area.
Shipping classification	<ul style="list-style-type: none"> • Dot Shipping Name: Aerosols • TDG/UN Shipping Names: Aerosols • UN Number: UN1950 • Hazard Class: 2 • Packing Group: II • TDG Exemption: Not available • Label: Aerosols • IATA Class: 2 • IMDG Class: 2
DOT hazard class	
HMIS Coding	Health: 2 Flammability: 4 Reactivity: 0

SECTION X • ECOLOGICAL INFORMATION

Environmental Fate and Distribution	None listed.
Persistence and Degradation	None listed.
Toxicity	None listed.
Effect of effluent treatment	None listed.

SECTION XI • REGULATORY INFORMATION

<p>• EC REGULATIONS:</p> <p>TSCA STATUS: On Toxic Substance Control Inventory. CERCLA REPORTABLE QUANTITY: Toluene, 1000 lbs. (453.6 kg). SARA TITLE III</p> <ul style="list-style-type: none"> • Section 302 : None • Section 311/312: Acute, fire. • Section 313: Toluene. <p>RCRA STATUS: Toluene</p>
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<p>• CANADIAN REGULATIONS:</p> <p><u>WHMIS Classification: Aerosol; A, B5, D2A.</u></p>
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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