

MATERIAL SAFETY DATA SHEET • MSDS



SECTION 1 • PRODUCT IDENTIFICATION

TRADE NAME	ADHESIVE SPRAY
ANAMET PRODUCT NUMBER	217-17

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)
Cyclohexane.	Not established.	30-40	Not established.	Not established.
2-Methylpentane.	65997-17-3	25-45	10	15
Isobutene.	Mixture.	20-30	10-15	6-15
Propane.	Mixture.	< 5	2	2
Dimethyl Ether.	Mixture.	< 5	3.5	3.5
3-Methylpentane.	Mixture.	< 5	Not established.	Not established.
2, 3-Dimethylbutane.	79-29-8	3-7	Not available.	Not available
2, 2-Dimethylbutane.	75-83-2	1-5	Not available.	3500
Hexane.	110-54-3	0.1-1	Not available.	176

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	Not applicable.	Vapor density (Air = 1)	2.97
Density (Water = 1)	0.697	Evaporation rate (Butyl acetate= 1)	1.9
Solubility in water	Insoluble.		
Appearance and odor	Liquid in aerosol; light cream color/sweet fruity odor.		

MATERIAL SAFETY DATA SHEET • MSDS



SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	-42.0 °C (-43.6°F).		
Flammable limits	LEL	1.5%	UEL 8.6%
Extinguishing medium	Carbon dioxide, dry chemical, foam.		
Special fire fighting procedures	Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).		
Unusual fire and explosion hazards	Flammable liquefied gas. Aerosol container contains gas under pressure. Aerosol container contains flammable material under pressure.		

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Any source of heat.
Incompatibility	Heat.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, toxic vapors, gases or particulates during combustion.
Hazardous Polymerization	Will not occur.

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

Eyes	Wash with large amounts of water. Get immediate medical attention.
Skin	Wash affected areas with soap and water. If irritation persists, get medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Ingestion	<u>Do not induce vomiting.</u> Drink two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

B – TOXICOLOGICAL INFORMATION

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

• SHORT TERM EXPOSURE

Eyes	Moderate eye irritation. Can include redness, swelling, pain, tearing and blurred or hazy vision.
Skin	Some may experience skin irritation. The symptoms may include localized redness, swelling and itching. May be absorbed through the skin and cause target organ effects.

MATERIAL SAFETY DATA SHEET • MSDS



Inhalation	Upper Respiratory Tract Irritation. The symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain. Intentional concentration and inhalation may be harmful or fatal. May be absorbed following inhalation and cause target organ effects.
Ingestion	Gastrointestinal Irritation: The symptoms may include abdominal pain, nausea, diarrhea and vomiting.
Other potential health risks	<p><u>Target Organ Effects:</u></p> <p><u>Central Nervous System (CNS) Depression:</u> The symptoms may include headache, dizziness, and drowsiness, in coordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.</p> <p><u>Prolonged or repeated exposure may cause:</u> Liver Effects. The symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.</p> <p><u>Peripheral Neuropathy:</u> The symptoms may include tingling or numbness of the extremities, in coordination, weakness of the hands and feet, tremors and muscle atrophy.</p> <p><u>Kidney Effects:</u> The symptoms may include reduced or absent urine production, increased serum creatinine, lower back pain, increased protein in urine and increased blood urea nitrogen (BUN).</p>

• LONG TERM EXPOSURE

Carcinogenicity	Not available.
Teratogenicity, Mutagenicity and other reproductive effects	Not available.
Skin Sensitization	Not available.
Respiratory tract sensitization	Not available.
Synergistic materials	Not available.

SECTION VII • PRECAUTIONARY INFORMATION

PERSONAL PROTECTIVE MEASURES

Eye, face and hands protection	Wear safety glasses with side shields.
Respiratory protection	Avoid breathing vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants in accordance with OSHA regulations.; half-mask organic vapor respirator
Ventilation	Use in a well ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.
Hearing	None.
HMIS Hazard Ratings	Health: 2 Flammability: 4 Reactivity: 0

MATERIAL SAFETY DATA SHEET • MSDS



SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

Spill or leak procedure	Eliminate sources of ignition. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Prevent entry into drains. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do not adsorb onto sawdust or other combustible materials. Transfer to a container for disposal or recovery. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
Waste disposal	Disposal should be in accordance with local, state, or national legislation. Incinerate under approved controlled conditions. EPA A Hazardous Waste Number (RCRA): D001 (Ignitable).

SECTION IX • STORAGE AND HANDLING

Storage	Store in a cool, well-ventilated place and away from acids. Do not place in hot water or near radiator, stove or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50 °C (122°F) or in direct sunlight.
Handling	Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid eye contact with vapors, mists or spray. Keep out of the reach of children.
Shipping classification DOT hazard class	<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
HMIS Coding	Health: 2 Flammability: 4 Reactivity: 0

SECTION X • ECOLOGICAL INFORMATION

Environmental Fate and Distribution	Not available.
Persistence and Degradation	Not available.
Toxicity	Not available.
Effect of effluent treatment	Not available.



SECTION XI • REGULATORY INFORMATION

• EC REGULATIONS:

TSCA STATUS: On Toxic Substance Control Inventory.

SARA TITLE III

- Section 302 : None
- Section 311/312: Fire, pressure, immediate, delayed hazard.
- Section 313: Cyclohexane CAS 110-82-7 10-20%

RCRA STATUS: F001 (If disposed)

• CANADIAN REGULATIONS:

WHMIS Classification: Aerosol; A, B5, D2B.

Anamet Inc. declines all warranties of description, merchantability or fitness for a particular purpose or any other warranties expressed or implied. All information contained in this data sheet result from figures supplied by the merchant and/or other recognized technical sources. Although this information is presumed to be complete and exact, Anamet Inc. does not guaranty any of the claims expressed or implied. Since the use of this product is not supervised by Anamet Inc., users are therefore responsible to verify if the product is designed for their particular application. They must also assume all risks associated with its use, manipulation and the elimination of the product as well as those arising from the publication, utilization or exactitude of the information contained in the present data sheet. This information pertains only of the product referred to in this specific data sheet and does not apply to its use in combination with other products or in any other process. In no event Anamet Inc., will be liable for incidental or consequential damages resulting from the use or misuse of this product.



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