

# MATERIAL SAFETY DATA SHEET • MSDS



## SECTION 1 • PRODUCT IDENTIFICATION

<b>TRADE NAME</b>	<b>SPRAY MOLD RELEASE</b>
<b>ANAMET PRODUCT NUMBER</b>	<b>230-19</b>
<b>CHEMICAL NAME</b>	

**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 <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Normal heptane.	142-82-5	40-70	400	500
Odorless Mineral Spirits.	64742-47-8	1-5	100	100
Silicon	Not available.	5-10	Not available.	Not available.
Propane	74-98-6	10-30	Not available.	Not available.
Isobutane	75-28-5	7-13	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

<b>Boiling point in °C</b>	92 °C (197.6°F)	<b>Vapor pressure (mm Hg)</b>	36.63mm Hg @25°C
<b>Melting point in °C</b>	Non applicable.	<b>Vapor density (Air = 1)</b>	3.45
<b>Density (Water = 1)</b>	0.700-0.720 @ 20°C (68°F)	<b>Evaporation rate (Butyl acetate= 1)</b>	4.
<b>Solubility in water</b>	Insoluble.		
<b>Appearance &amp; odor</b>	Clear, colorless, hydrocarbon		

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## SECTION IV • FIRE / EXPLOSION HAZARD

<b>Flash point (Test Method)</b>	The lowest known value is Closed Cup: -7 °C.		
<b>Flammable Limits</b>	<b>LOWER</b>	1.0 %	<b>UPPER</b> 6.7 %
<b>Extinguishing medium</b>	<p><b>SMALL FIRES:</b> Use dry chemicals, carbon dioxide or foam.</p> <p><b>LARGE FIRE:</b> Use foam or water fog.</p> <p>Cool containing vessels with water spray in order to prevent pressure build-up, auto ignition or explosion. Avoid spreading burning liquid with water used to cool containers.</p>		
<b>Special fire fighting procedures</b>	Self-contained respiratory protection should be provided for firefighters.		
<b>Unusual fire and explosion hazards</b>	<p>Carbon monoxide, carbon dioxide, silicone dioxide, traces of formaldehyde and other irritating gases.</p> <p><u>In presence of mechanical impact:</u> Do not subject aerosol cans to impact.</p> <p><u>In the presence of static discharge:</u> Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapors of this product may form a flammable/explosive mixture with air in enclosed areas when vapors present are between the lower (1.0%) and the upper (6.7%) flammable limits and come into contact with open flames, sparks or static discharge.</p> <p><u>Do NOT expose aerosol containers to open flames, heat or ignition sources. Container may explode if heated.</u></p>		

## SECTION V • REACTIVITY

<b>Stability</b>	Stable.
<b>Incompatibility</b>	Avoid contact with strong oxidizing agents, strong acids and strong alkalis.
<b>Hazardous Decomposition Products</b>	These products are carbon monoxide, carbon dioxide, silicone dioxide, traces of formaldehyde & other irritating gases.
<b>Hazardous polymerization</b>	Should not occur.



**SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT**

**A - SUGGESTED FIRST AID**

<b>Eyes</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists, consult a physician.
<b>Skin</b>	Wash affected area thoroughly with soap and water. If irritation persists, consult a physician. Remove and wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
<b>Ingestion</b>	<u>If swallowed, call physician or poison control centre immediately.</u> <b>DO NOT</b> induce vomiting. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.

**B – TOXICOLOGICAL INFORMATION**

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

**• SHORT TERM EXPOSURE**

<b>Eyes</b>	May cause irritation, redness, tearing.
<b>Skin</b>	May cause irritation, defatting, drying and cracking of skin.
<b>Inhalation</b>	Excessive inhalation of vapors may cause nasal and respiratory irritation and may cause central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.
<b>Ingestion</b>	May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Can be fatal if ingested. This product may irritate eyes and skin upon contact.

**• LONG TERM EXPOSURE**

<b>Carcinogenicity</b>	Heptanes contains trace amount of benzene- carcinogenic risks to humans based on the evaluation of IARC working group.
<b>Teratogenicity, Mutagenicity and other reproductive effects</b>	Not established. Benzene-May cause heritable genetic damage. Benzene-causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.
<b>Skin Sensitization</b>	Prolonged or repeated skin contact may lead to dermatitis.
<b>Respiratory tract sensitization</b>	Prolonged or repeated inhalation may cause chemical pneumonitis, which can be fatal.
<b>Synergistic materials</b>	Not established.

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## SECTION VII • PRECAUTIONARY INFORMATION

### PERSONAL PROTECTIVE MEASURES

<b>Eye , face &amp; hands</b>	Wear safety glasses with side shields.
<b>Respiratory protection</b>	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
<b>Ventilation</b>	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.
<b>Hearing</b>	None.
<b>HMIS Ratings</b>	Health: 2 Flammability: 4 Reactivity: 0

## SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

<b>Spill or leak procedure</b>	Ventilate area and eliminate all sources of ignition. Keep away from heat. Absorb with an inert DRY material and place in an appropriate waste disposal container.
<b>Waste disposal</b>	Recycle to process, if possible. Consult your authorities. Do not dispose in sewers. When container is empty, press button to release all pressure, then dispose of in garbage can.

## SECTION IX • STORAGE AND HANDLING

<b>Storage</b>	Store in a cool, well-ventilated place. Avoid heat sources. Do not puncture or incinerate container or store at temperatures over 50 °C (122°F) or in direct sunlight.
<b>Handling</b>	Do not use in the presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapors or spray mists. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
<b>Shipping Classification</b>  <b>DOT Hazard class</b>	<ul style="list-style-type: none"> <li>• <b>Dot Shipping Name:</b> Aerosols</li> <li>• <b>TDG/UN Shipping Names:</b> Aerosols</li> <li>• <b>UN Number:</b> UN1950</li> <li>• <b>Hazard Class:</b> 2.1</li> <li>• <b>Packing Group:</b> II</li> <li>• <b>TDG Exemption:</b> Not available</li> <li>• <b>Label:</b> Aerosols</li> <li>• <b>IATA Class:</b> 2.1</li> <li>• <b>IMDG Class:</b> 2.1</li> </ul>

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HMIS Ratings | 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: Acute, Fire, Pressure.
- Section 313: Heptane CAS 142-82-5 40-70%.

RCRA STATUS: F001 (If disposed).

### • CANADIAN REGULATIONS:

WHMIS Classification: Aerosol; A, B5, D2B.

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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