

MATERIAL SAFETY DATA SHEET • MSDS



SECTION I • PRODUCT IDENTIFICATION

TRADE NAME	CUTTING OIL
ANAMET PRODUCT NUMBER	150-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)
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THIS PRODUCT IS NOT A WHMIS CONTROLLED SUBSTANCE.

SECTION III • PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point in °C	>274 °C (510.8°F)	Vapor pressure (mm Hg)	0 mm Hg @ 20°C (68°F)
Freezing point	0°C (32°F)	Vapor density (Air = 1)	Not applicable.
Density (Water = 1)	820 kg/m ³ @ 15°C (59°F)	Evaporation rate (Butyl acetate= 1)	Not available.
Solubility in water	Insoluble.	Odor threshold	Not available.
pH	Not applicable.	Viscosity	3.9-4.5 @ 40°C (104°F)
Partition coefficient (K_{OW})	Not available.	Other solvents	Hydrocarbon Solvents.
Appearance and odor	Liquid, light yellow, hydrocarbon odor.		

SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	135°C (275°F).
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Flammable limits	LEL	.030 oz /per cubic foot	UEL	No data
Extinguishing medium	Carbon dioxide, dry chemical, foam and water fog.			
Special fire fighting procedures	Will burn. Caution, spilled material is slippery. Avoid breathing vapors. Do not enter confined space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus. Do not use water except as a fog. Use water to cool fire exposed containers. Water may be used to flush spills away from exposure.			
Unusual fire and explosion hazards	Carbon monoxide and carbon dioxide are produced on combustion.			

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid excessive heat, open flames and all ignition sources.
Incompatibility	Avoid strong oxidizing agents
Hazardous polymerization product	None.

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

Eyes	Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation occurs and persists, obtain medical attention.
Skin	Wipe excess from skin. Wash contaminated skin with mild soap and water for 15 minutes. If irritation occurs and persists, obtain medical attention.
Inhalation	Due to low vapor pressure, product not normally considered a likely inhalation hazard. Remove victim from further exposure. Additional first aid treatment is not ordinarily required.
Ingestion	Do not induce vomiting. Guard against aspiration into lungs by having the individual turn on to their left side. Obtain medical attention immediately.
Notes to physician	In general, lubricating oils have low oral toxicity. High pressure injection under the skin may have serious consequences and may require urgent treatment.

B – TOXICOLOGICAL INFORMATION

PRIMARY ENTRY ROUTES: Skin contact and inhalation

• SHORT TERM EXPOSURE

Eyes	Product is practically not irritating to the eyes.
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Skin	Product may be slightly irritating to skin. Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Inhalation	Inhalation of oil mist or vapors from hot oil may cause irritation of the upper respiratory tract. Long term intensive exposure to oil mist may cause benign lung fibrosis.
Ingestion	Not available.

• LONG TERM EXPOSURE

Carcinogenicity	None.
Teratogenicity, Mutagenicity and other reproductive effects	None.
Skin Sensitization	Prolonged contact may cause skin irritation.
Respiratory tract sensitization	May slightly be irritating to the respiratory tract.
Synergistic materials	None.

SECTION VII • PRECAUTIONARY INFORMATION

PERSONAL PROTECTIVE MEASURES

Eyes, face & hands	Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes. Oil impervious gloves (nitrile, neoprene or PVC) should be worn at all times when handling this product. Impervious clothing (apron, coveralls) should also be worn in confined workspaces or where the risk of skin exposure is much higher.
Respiratory protection	If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. If airborne concentration is high (e.g. when product is heated), use a NIOSH approved chemical cartridge respirator with organic vapor cartridges in combination with a P95 particulate filter.
Ventilation	To maintain levels below workplace exposure limits mechanical ventilation recommended. Local ventilation is recommended if oil mist is present or if exposure limit is exceeded. Make up air should always be supplied to balance air exhausted (either generally or locally).
Hearing	As needed in accordance with OSHA 1910-215
HMIS Hazard Ratings	Health: 1 Flammability: 1 Reactivity: 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

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Spills	Eliminate all ignition sources. Isolate hazard area and restrict access. Wear appropriate breathing apparatus (if applicable) and protective clothing. Stop leak if only safe to do so. Dike and contain land spills; contain water spills by booming. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Flush area with water to remove trace residue. Notify appropriate environmental agencies.
Waste disposal methods	Waste management priorities (depending on volumes and concentration of waste) are: 1. recycle (reprocess), 2. Energy recovery (cement kilns, thermal power generation, 3. Incineration, 4. Disposal at a licensed waste disposal facility. Do not attempt to combust waste on-site. Incinerate at a licensed waste disposal site with approval of environmental authority. Landfill absorbed material in a government approved site. Block off drain and ditches. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

SECTION IX • STORAGE AND HANDLING

Storage	Store in a cool, dry, well ventilated area, away from heat and ignition sources.
Handling	Avoid breathing vapors and prolonged or repeated contact with skin. Avoid excessive heat, sparks, open flames and all other sources of ignition. Do not handle or store at temperatures over 60 °C (140 °F). Launder contaminated clothes prior to reuse. Use good personal hygiene.
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. • ATA Class: Not regulated. • IMDG Class: Not regulated.
HMIS Coding	Health: 1 Flammability: 1 Reactivity: 0

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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.
CERCLA REPORTABLE QUANTITY: None.
SARA TITLE III

- Section 302: None.
- Section 311/312: Chronic
- Section 313: None.

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

HMIS: Hazardous material information sheet

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