



SECTION 1 • PRODUCT IDENTIFICATION

TRADE NAME	CLEANING SOLUTION-DISCONTINUED
ANAMET PRODUCT NUMBER	268-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)
2-Butoxyethanol.	111-76-2	<7	25	25
Sodium Metasilicate.	6834-92-0	<7	15	15

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	100 °C (212°F)	Vapor pressure (mm Hg)	Not available.
Melting point in °C	Not applicable.	Vapor density (Air = 1)	Not established.
Density (Water = 1)	1.07	Evaporation rate (Butyl acetate= 1)	Not established.
Solubility in water	Soluble.		
Appearance and odor	Clear Red / neutral.		



SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	No Flash Point by standard methods.			
Flammable limits	LEL	Not available	UEL	Not available
Extinguishing media	Water spray, foam, dry chemical, carbon dioxide. Keep fire exposed containers cool by spraying with water.			
Special fire fighting procedures	MSHA/NIOSH approved self-contained breathing apparatus recommended and suitable protective clothing should be worn in fire conditions.			
Unusual fire and explosion hazards	Carbon monoxide, carbon dioxide and other irritant gases, which may include toxic constituents.			

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid oxidizing agents.
Incompatibility	Avoid oxidizing agents.
Hazardous decomposition products	Not established.
Hazardous Polymerization	Not susceptible to polymerization.

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

Eyes	Irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Obtain medical attention.
Skin	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Inhalation	Remove individual from exposure, keep warm and at rest. Obtain immediate medical attention.
Ingestion	Induce vomiting. Wash out mouth with 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	Irritating to eyes.
Skin	May cause sensitization by skin contact. Irritating to skin. Repeated and/or prolonged contact may cause dermatitis.
Inhalation	Possibly irritating to respiratory system.
Ingestion	Low oral toxicity.

• LONG TERM EXPOSURE

MATERIAL SAFETY DATA SHEET • MSDS



Carcinogenicity	No ingredients listed by IARC, ACCGIH, NTP, and OSHA as a carcinogen.
Teratogenicity, Mutagenicity and other reproductive effects	There is no reason to believe that this product represents a mutagenic hazard to man based upon evidence from well conducted animal studies, relevant mutagenicity studies, and adequate epidemiology studies in relevant cohorts.
Skin Sensitization	This product may cause skin sensitization (allergies).
Respiratory tract sensitization	Not available.
Synergistic materials	Not available.

SECTION VII • PRECAUTIONARY INFORMATION

PERSONAL PROTECTIVE MEASURES

Eye, face & hands	Safety spectacles/Full Face Shield. Wear suitable gloves. PVS/Polyethylene laminate and supported PVA gloves offer the best protection. Gloves should be changed regularly and if excessive exposure has occurred.
Respiratory protection	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A suitable mask with filter type A may be appropriate. In the event of formation of particularly high levels of vapor a self-contained breathing apparatus may be appropriate.
Ventilation	Provide adequate ventilation, including appropriate local extraction, to insure that the defined occupational exposure limit is not exceeded. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.
Hearing	As needed in accordance with OSHA 1910-215.
HMIS Coding	Health: 2 Flammability: 1 Reactivity: 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

Spill or leak procedure	Ensure suitable personal protection (including respiratory protection) during removal of spillages. Prevent entry into drains.
Waste disposal	Disposal should be in accordance with local, state, or national legislation. Incinerate under approved controlled conditions.



SECTION IX • STORAGE AND HANDLING

Storage	Keep in a cool, well ventilated place. Preferably not below 25°C (77°F).
Handling	Avoid contact with skin and eyes.
Shipping classification	<ul style="list-style-type: none"> • Dot Shipping Name: Corrosive liquid, basic, inorganic, N.O.S., 8, II • TDG/UN Shipping Names: Corrosive liquid, basic, inorganic, N.O.S., 8, II • UN Number: UN3266
DOT hazard class	<ul style="list-style-type: none"> • Hazard Class: Not established. • Packing Group: Not established. • TDG Exemption: Not established. • Label: Corrosive liquid. • ATA Class: Not established. • IMDG Class: Not established.
HMIS Coding	Health: 2 Flammability: 1 Reactivity: 0

SECTION X • ECOLOGICAL INFORMATION

Environmental Fate and Distribution	This product is very soluble in water. The product has a low potential for bioaccumulation. This product is predicted to have a high mobility in soil.
Persistence and Degradation	Biodegradable.
Toxicity	Not established.
Effect of effluent treatment	Substantially removed in biological treatment processes.

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, fire.
- Section 313: None.

RCRA STATUS: Not regulated.

• CANADIAN REGULATIONS:

WHMIS Classification: E Corrosive, D2B

MATERIAL SAFETY DATA SHEET • MSDS



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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