

MATERIAL SAFETY DATA SHEET • MSDS



SECTION 1 • PRODUCT IDENTIFICATION

TRADE NAME	COLLOIDAL ALUMINA SUSPENSION
ANAMET PRODUCT NUMBER	5905S-X
CHEMICAL NAME	

MANUFACTURER / SUPPLIER'S NAME ANAMET
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SECTION II • COMPOSITION / INFORMATION ON COMPONENTS

Chemical characterization Description	CAS number	%	OSHA PEL	ACGIH TLV
Silicon dioxide or silica. (NIOSH registry # VV7322000)	7631-86-9	<50	20 million particles per cubic foot of air (MPPCF)	2 mg/m ³
Aluminum oxide, (Al ₂ O ₃)	1344-28-1	<20	15 mg/m ³	10 mg/m ³

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 applicable.
Melting point in °C	Not applicable.	Vapor density (Air = 1)	Not applicable.
Specific Gravity (Water = 1)	1.2	Evaporation rate (Butyl acetate= 1)	< 1
Solubility in water	Soluble.		
Appearance and odor	White liquid / Negligible odor.		

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SECTION IV • FIRE / EXPLOSION HAZARD

Flash point	None.			
Flammable limits	UPPER	None.	LOWER	None.
Extinguishing medium	Dry chemical, foam, carbon dioxide, water fog.			
Special fire fighting procedures	Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.			
Unusual fire / explosion	None.			

SECTION V • REACTIVITY

Stability	Stable.
Conditions to avoid	Do not freeze.
Incompatibility	May react with strong oxidizing agents.
Hazardous decomposition products	None.
Hazardous Polymerization	Will not occur.

SECTION VI • TOXICOLOGICAL PROPERTIES OF PRODUCT

A - SUGGESTED FIRST AID

Eyes	Flush with water for 15 minutes. If irritation occurs, seek medical aid.
Skin	Wash with soap and water. If irritation occurs, seek medical aid.
Inhalation	Remove to fresh air. Seek medical aid.
Ingestion	If material is swallowed, get immediate medical attention.

B – TOXICOLOGICAL INFORMATION

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

▼ SHORT TERM EXPOSURE ▼

Eyes	May cause irritation.
Skin	Acute overexposure causes skin irritation.
Inhalation	Spray mist or dry dust may cause physical irritation to upper respiratory tract. In dry form this material is a nuisance dust and as such does not produce significant organic disease or toxic effect with reasonable exposure.
Ingestion	May cause irritation of the digestive tract.

▼ LONG TERM EXPOSURE ▼

Carcinogenicity	Not established.
Teratogenicity and other effects	Not established.
Skin sensitization	Prolonged contact may cause skin abrasion.
Respiratory tract sensitization	May slightly be irritating to the respiratory tract.
Synergistic Materials	Not established.

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SECTION VII • PRECAUTIONARY INFORMATION PERSONAL PROTECTIVE MEASURES

Eyes, face & hands	Recommend standard face and eye protection at all times while using the product.
Respiratory protection	As needed, use approved dust respirator (OSHA CFR1910.134)
Ventilation	Do not use without adequate ventilation
Hearing	As needed in accordance with OSHA 1910-215.
HMIS Hazard Ratings	Health : 1 Flammability : 0 Reactivity : 0

SECTION VIII • SAFETY PRECAUTIONS IN CASE OF LEAKS OR SPILLS

Spill or leak procedure	Ventilate area of leak or spill. Small spill can be picked up with vermiculite or other absorbent, noncombustible material. Contain liquid to prevent further contamination of soil, surface water or ground water.
Waste disposal	Disposal should be in accordance with local, state, or national legislation. Incinerate under approved controlled conditions.

SECTION IX • STORAGE AND HANDLING

Storage	Store in cool, well ventilated dry area.
Handling	Avoid contact with skin and eyes.
Shipping classification	<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.
DOT hazard class	
HMIS Coding	Health: 1 Flammability: 0 Reactivity: 0

SECTION X • ECOLOGICAL INFORMATION

Environmental fate and distribution	Not established.
Persistence and degradation	Not established.
Toxicity	Not established.

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Effect of effluent treatment

Not established.

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: None.
- 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

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