

MATERIAL SAFETY DATA SHEET

Fine Finish

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Fine Finish

UN/NA (PIN) No.: N/A

APPLICATIONS: Acrylic resin wall coating

EMERGENCY TELEPHONE: CHEMTREC 1-800-424-9300

MANUFACTURER: Senergy, Inc.
10245 Centurion Parkway, N.
Jacksonville, FL 32256-0564

TELEPHONE: (904) 996-6000

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
Calcium carbonate	471-34-1	50-70 %	N/A	N/A
Acrylic polymer	Proprietary	15-30 %	N/A	N/A
Titanium dioxide	13463-67-7	0-6	N/A	N/A
Aromatic hydrocarbon	64742-95-6	< 1	N/A	N/A
Crystalline silica	14808-60-7	< 1	N/A	N/A
Water	7732-18-5	5-10 %	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Opaque liquid in various colors. Slight ammonia odor.

CAUTION! May be harmful if inhaled. Vapors may cause respiratory tract irritation. Prolonged or repeated skin contact may cause irritation. May cause eye irritation.

Will not burn. In case of fire, use extinguishing media suitable for the material that is burning.

ACUTE EFFECTS:

INHALATION: Breathing vapors may irritate the mucous membranes of the nose, throat, respiratory tract, and may cause headache, light-headedness, dizziness, and nausea.

INGESTION: May cause digestive tract irritation.

SKIN: Prolonged or repeated contact can cause slight skin irritation.

EYES: Contact with eyes may cause mild irritation.

CHRONIC EFFECTS:

CARCINOGENICITY:

Crystalline silica is a carcinogen. (See Section 11).

IARC: Yes. NTP: Yes. OSHA: No.

ROUTE OF ENTRY:

Eye and skin contact. Inhalation (breathing).

MEDICAL INFORMATION:

Medical Conditions Aggravated by Exposure: Pre-existing eye or skin disease, and breathing or respiratory disorders may be aggravated by exposure to this product.

4. FIRST AID MEASURES

INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION: Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

SKIN: Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.

EYES: Do not rub eyes! Rinse eyes with water. Remove any contact lenses, and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops and persists.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
Use media suitable for the material that is burning.

SPECIAL FIRE FIGHTING PROCEDURES:
Closed containers exposed to extreme heat may rupture due to pressure build-up. Contents may spatter if temperature exceeds boiling point (212 °F).

HAZARDOUS COMBUSTION PRODUCTS:
This product is not combustible. Dried material can burn releasing irritating and toxic fumes.

PROTECTIVE MEASURES IN CASE OF FIRE:
As in any fire, wear NIOSH-approved, positive-pressure, self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES:
Wear appropriate protective equipment (See Section 8). Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing.
Caution! Spill areas may be slippery. Wipe up small spills with rags. Absorb larger spills with sand, vermiculite, or kitty litter; sweep up and place in a suitable container for later disposal. Spill area may then be washed with water.
Dike large spills for later recovery and re-use or disposal. Keep spills out of sewers or waterways.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:
Wear appropriate protective equipment (See Section 8). Avoid breathing vapors or mists and contact with eyes or skin. Use in a well-ventilated area to prevent the build-up of vapors. Wash thoroughly after handling.

STORAGE PRECAUTIONS:

Keep from freezing. Minimum recommended storage temperature is 4 °C (40 °F). Protect from extreme heat and direct sunlight. Shelf life is two years when unopened and stored as directed.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
Calcium carbonate	471-34-1	15	N/E	10	N/E			mg/m3
Titanium dioxide	13463-67-7	15	N/E	10	N/E			mg/m3
Crystalline silica	14808-60-7	See Below	N/E	0.1	N/E			mg/m3

INGREDIENT COMMENTS:

Silica, crystalline quartz (respirable) OSHA TWA PEL = 250 mppcfa/ %SiO₂ + 5; 10mg-m³/ %SiO₂+2. (Total dust) 30mg-m³/ %SiO₂ + 2. Limestone (Calcium Carbonate) OSHA TWA PEL = 5 mg/m³ for respirable fraction.

PROTECTIVE EQUIPMENT:**ENGINEERING CONTROLS:**

Use general ventilation and/or local exhaust to remove vapors or mists.

RESPIRATORS: In conditions where high concentrations of vapors are present, wear a respirator that has been selected by technically qualified person for the specific work conditions.

PROTECTIVE GLOVES:

Rubber (natural, latex).

EYE PROTECTION:

Use approved safety goggles or face shield.

PROTECTIVE CLOTHING:

Wear long-sleeved clothing.

HYGIENIC WORK PRACTICES:

Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	Opaque. Liquid.	
COLOR:	Varies.	
ODOR:	Slight. Ammonia.	
SOLUBILITY DESCRIPTION:	Dilutable in water.	
BOILING POINT (°F, interval):	212	PRESSURE: 760mmHg
DENSITY/SPECIFIC GRAVITY (g/ml):	1.8	TEMPERATURE (°F): 68
VOLATILE BY VOL. (%):	38	
pH-VALUE, CONC. SOLUTION:	9.0 - 9.5	
OTHER PHYSICAL DATA:		
Calculated VOC (grams/liter)	25	

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID:

None known.

MATERIALS TO AVOID:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of: Nitrogen. Carbon. Toxic monomer fumes.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

This product contains crystalline silica. The National Program (NTP) has determined that respirable crystalline silica may reasonably be anticipated to be a carcinogen, based upon animals studies. The International Agency for Research on Cancer (IARC) classified crystalline silica inhaled in the form of quartz cristobalite from occupational sources as Group 1 - carcinogenic to humans. This assignment was based on a relatively large number of epidemiological studies that provided sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica. Crystalline silica is also known to cause silicosis, a disease of the lungs.

Titanium dioxide has been classified by the American Congress of Governmental Industrial Hygienists (ACGIH) as an A4 Carcinogen - Not Classifiable as a Human Carcinogen. (1998 TLVs and BEIs

Component: **Calcium carbonate**

TOXIC DOSE - LD 50: 6450 mg/kg (oral rat)

Component: **Titanium dioxide**

TOXIC DOSE - LD 50: >25000 mg/kg (oral rat)

TOXIC DOSE - LD 50: >10000 mg/kg (skn-rbt)

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

No information available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements.
RCRA Waste Code: Not regulated.

14. TRANSPORT INFORMATION

PROPER SHIPPING DESCRIPTION I: Not regulated.

U.S. DOT:

UN/NA No.: N/A

15. REGULATORY INFORMATION

REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
Calcium carbonate	471-34-1	Yes	No	No	No	Yes
Acrylic polymer	Proprietary	Yes	No	No	No	Yes
Titanium dioxide	13463-67-7	Yes	No	No	No	Yes
Aromatic hydrocarbon	64742-95-6	Yes	No	No	No	Yes
Crystalline silica	14808-60-7	Yes	No	No	No	Yes
Water	7732-18-5	Yes	No	No	No	Yes

US FEDERAL REGULATIONS: REGULATORY STATUS:

TSCA: The ingredients of this product are on the TSCA Inventory. DSL: The Ingredients of this product are on the Canadian Domestic Substance List.

STATE REGULATIONS: STATE REGULATORY STATUS:

California Proposition 65. Warning! This product contains the following chemical(s) known to the State of California to cause cancer or reproductive toxicity: Crystalline silica. Traces of arsenic. Traces of ethyl acrylate. Traces of formaldehyde. Traces of lead.
Florida Hazardous Substance List. Quartz.
Massachusetts Right-to-Know. Limestone (Calcium carbonate). Titanium dioxide. Quartz.
Minnesota Right-to-Know. Limestone (Calcium carbonate). Titanium dioxide. Quartz.
New Jersey Right-to-Know. Titanium dioxide. Quartz.
Pennsylvania Right-to-Know. Limestone (Calcium carbonate). Titanium dioxide. Quartz.

CANADIAN REGULATIONS: LABELS FOR SUPPLY:



REGULATORY STATUS:

This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.
Canadian WHMIS. D2A.

16. OTHER INFORMATION

REVISION COMMENTS:

Removed export notification from Section 15.

PREPARED BY:

ChemRex (612) 496-6000

REVISION No./Repl. MSDS of:

02/99

DATE:

07/99