

Material Safety Data Sheet (United States)

Section 1 - Product Identification and Company Information

Product Identifier: Prezyme First

Product Number: E836

Product Use: Concentrated enzyme cleaner for carpet

Emergency Telephone No.: 800-535-5053 (Info-trak)

Manufacturer's Name: Professional Chemicals Corp.

Street Address: 325 S. Price Road

City, State, Zip Code: Chandler, Arizona USA, 85224

Section 2 - Hazardous Ingredients

<u>Hazardous Ingredients</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV-TWA</u>
Soda Ash, light	00497-19-8	N/E	N/E
Sodium Nitrilotriacetate	18662-53-8	N/E	N/E
Sodium Metasilicate	06834-92-0	N/E	N/E
Surfactant mixture	trade secret	N/E	N/E

Items on this MSDS may be designated "trade secret". Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the procedures contained in 29 CFR 1910.1200(i) (1) - (13).

Section 3 - Physical Data

Physical State:	Solid	Vapor Density (Air = 1):	N/D	Boiling point (°C):	N/A
Vapor Pressure (mm Hg):	760 mm/Hg	Specific Gravity:	1.07	Freezing point (°C):	N/D
pH:	10.9-11.1 Ready-to-use	Evaporation rate:	N/D	Coeff. Water/Oil Dist.:	N/D
Odor & appearance:	White solid with floral scent.	Odor Threshold:			N/D

Section 4 - Fire and Explosion Data

Flammability: ___ Yes No **If so, under what conditions:**

Means of extinction: Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

Flash Point & method: None up to 100°C **Upper Flammable Limit (% by volume):** N/A

Autoignition Temp. (°C): None up to 100°C **Lower Flammable Limit (% by volume):** N/A

Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

Explosion Data: Sensitivity to Impact: None **Sensitivity to static discharge:** None

Section 5 - Reactivity Data

Chemical Stability: Yes ___ No **If no, under which conditions:**

Incompatibility with other substances: Yes ___ No **If yes, which ones:** Avoid strong oxidizing materials.

Reactivity, and under what conditions: None known

Hazardous decomposition products: Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

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Section 6 - Toxicological Properties

Route of Entry: Skin contact Skin Absorption Eye contact Inhalation Ingestion

Effects of Acute Overexposure to Product:

Inhalation: Excessive exposure may cause respiratory irritation.
Eye Contact: May cause severe eye irritation
Skin Contact: Reported to cause a burning and itching at contact site.
Ingestion: Large amounts may cause gastrointestinal irritation with injury.

Warning!

Not for human consumption. This product contains sodium nitrilotriacetate (CAS No. 18662-53-8). Sodium nitrilotriacetate has been shown to cause injury and tumors of the urinary tract in rodents (mice and rats) repeatedly fed extremely high doses during laboratory studies. Sodium nitrilotriacetate is listed by the IARC (Group 2B) and NTP (Group 2) as a possible carcinogen and is a hazardous material under the criteria of the OSHA hazard communication standard. The IARC and NTP groups indicate that there is evidence of carcinogenicity in experimental animals but limited or no evidence of carcinogenicity in humans.

California Proposition 65: Proposition 65 requires warning labels on products which contain known carcinogens. However, detergents containing sodium nitrilotriacetate are exempted from labeling under California Proposition 65 because exposures in detergent applications are far less than the "NO SIGNIFICANT RISK LEVEL" established by Cal-EPA for this compound. The available evidence suggests that sodium nitrilotriacetate ". . .should be classified as an animal carcinogen that acts via a non-genotoxic mechanism that displays a distinct threshold and therefore poses no health hazard at doses below the threshold". Contact Professional Chemicals Corporation for a bulletin with more information on sodium nitrilotriacetate in detergent applications.

Effects of Chronic Overexposure to Product:

Inhalation: N/D
Eye Contact: N/D
Skin Contact: N/D
Ingestion: N/D

Exposure limits: N/D
Teratogenicity: Exposure has no known effects on mother.
Irritancy of Product: May cause skin and eye irritation.
Reproductive toxicity: Sodium Nitrilotriacetate has been shown to interfere with reproduction in rodents.
Sensitization to Product: None known.
Mutagenicity: Sodium Nitrilotriacetate mutagenicity tests have been positive.
Carcinogenicity: Sodium Nitrilotriacetate, Yes
Synergistic products: None known

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Section 7 - Preventive Measures

Personal Protective Equipment:

Gloves: Avoid skin contact. Wear NBR or rubber gloves for extended or repeated skin contact with concentrate.

Respirator: Use with good ventilation. Respirator not normally required.

Eye: Avoid eye contact. Wear safety glasses while handling concentrate.

Footwear: Standard work shoes.

Clothing: Standard work clothing.

Other: Do not ingest product. No other special protective measures required.

Engineering Controls: Normal room ventilation satisfactory.

Leak and spill procedures: Prevent further spill of material, contain material already spilled.

Waste disposal: Small quantities of this detergent may be disposed of in a sanitary sewer in accordance with regulations. Larger quantities should be collected and consigned to a licensed hazardous waste hauler for disposal in accordance with regulations.

Handling procedures/equipment: None

Storage: Store out of reach of children. Keep container closed. Store in a cool dry location. Avoid freezing or extended storage in high temperatures.

Special shipping information: Non-hazardous.

Section 8 - First Aid Measures

Specific Measures:

Inhalation: Move to fresh air, get medical attention if irritation persists.

Eye Contact: Flush thoroughly with water for 15 minutes, get medical attention.

Skin Contact: Flush thoroughly with water for 15 minutes. If irritation persists, get medical attention. Launder affected clothing before wearing again.

Ingestion: If patient is fully conscious, induce vomiting if large amounts are ingested. If symptoms persist, get medical attention. Do not give anything by mouth to an unconscious person.

Section 9 - Preparation Date of MSDS

Prepared by: Manager, EH&S

Phone Number: 480/899-7000

Date: May 13, 1999

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