

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	Cetyl-Zyme Pro-Am
Synonyms:	N/A
CAS No:	Mixture
1.2 Product Use:	Cleaning delicate medical and dental instruments/equipment.
1.3 Company Name:	Cetylite
Company Address:	9051 River Road
Company Address Cont:	Pennsauken, NJ 08110
Business Phone:	(800) 257-7740 or (856) 665-6111
Website:	www.cetylite.com
1.4 Emergency Telephone Number:	(800) 257-7740
Date of Current Revision:	November 4, 2016
Date of Last Revision:	October 21, 2013

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a blue colored liquid with a mint odor. May cause serious eye damage. Harmful if swallowed. Inhalation of vapors can cause drowsiness or dizziness. Irritating to skin and respiratory system. This product is a Non-Flammable liquid with a flash point >200°F
The Environmental effects of this product have not been investigated. Release of this product is anticipated to have adverse effects in the aquatic environment.

US DOT Symbols:

None



EU and GHS Symbols:

Signal Word:

Danger!

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 or the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

EC# 231-791-2 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 200-338-0 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 200-289-5 This substance is not classified in the Annex VI of Directive 67/548/EEC

CAS# 68439-46-3 is not listed in ESIS

EC# 203-049-8 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 246-770-3 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 271-657-0 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 233-139-2 Annex VI Index# 005-007-00-2

EC# 232-752-2 Annex VI Index# 647-012-00-8

Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification: Alcohol Ethoxylate, Cocoamide DEA, Boric Acid, Enzyme

2.2 Label Elements:

GHS Hazard Classifications:

Acute Toxicity Category 4 (Oral)
Eye Damage Category 1
Respiratory Sensitizer Category 1
Reproductive Hazard Cat 1

Hazard Statements:

H302: Harmful if swallowed
H318: Causes serious eye damage
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H361: May damage fertility or the unborn child

Prevention Statements:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precaution have been read and understood.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P284: [In case of inadequate ventilation] wear respiratory protection.

Response Statements:

P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P330: Rinse mouth.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310: Immediately call a POISON CENTER/doctor if you feel unwell.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Storage Statements:

P405: Store locked up.

Disposal Statements:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

None Applicable

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Water	40 - 50%	7732-18-5	231-791-2	Not Classified
Propylene Glycol	10 – 20%	57-55-6	200-338-0	Not Classified
Glycerine	10 – 20%	56-81-5	200-289-5	Not Classified
Alcohol Ethoxylate	1 – 10%	68439-46-3	Not Listed in ESIS	Acute Tox Cat 4 (Oral), Eye Damage Cat 1
Triethanolamine	1 – 10%	102-71-6	203-049-8	Not Classified
Boric Acid	1 – 5%	10043-35-3	233-139-2	Reproductive Hazard Cat 1
Enzyme	<1%	9014-01-1	232-752-2	Skin Irritant Cat 2, Eye Damage Cat 1, Respiratory Sensitization Cat 1, STOT SE Cat 3

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

SECTION 4 - FIRST AID MEASURES**4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Cetylite

Cetyl-Zyme Pro-Am

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed:

Exposure to skin or eyes may cause damage.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: Yes **Carbon Dioxide:** Yes
Foam: Yes **Dry Chemical:** Yes
Halon: Yes **Other:** Any "C" Class

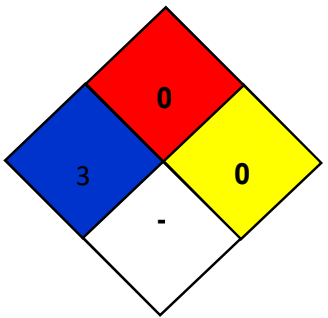






5.2 Unusual Fire and Explosion Hazards:

Under fire conditions some components may decompose. The smoke may contain unidentified toxic and/or irritating compounds. The material will not burn until the water has evaporated.

Explosive Sensitivity to Mechanical Impact: No
 Explosive Sensitivity to Static Discharge: No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.3 Special Fire-Fighting Procedures:

NFPA RATING SYSTEM	HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM																						
<p>Flammability</p>  <p>Health Reactivity</p> <p style="text-align: center;">Other</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00aaff; color: white; text-align: center;">HEALTH HAZARD (BLUE)</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #ff0000; color: white; text-align: center;">FLAMMABILITY HAZARD (RED)</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #ffff00; text-align: center;">PHYSICAL HAZARD (YELLOW)</td> <td style="text-align: center;">0</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">PROTECTIVE EQUIPMENT</th> </tr> <tr> <th style="width: 25%;">EYES</th> <th style="width: 25%;">RESPIRATORY</th> <th style="width: 25%;">HANDS</th> <th style="width: 25%;">BODY</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> </tr> <tr> <td colspan="4" style="text-align: center;">For Routine Industrial Use and Handling Applications</td> </tr> </tbody> </table>	HEALTH HAZARD (BLUE)	3	FLAMMABILITY HAZARD (RED)	0	PHYSICAL HAZARD (YELLOW)	0	PROTECTIVE EQUIPMENT				EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8	For Routine Industrial Use and Handling Applications			
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For Routine Industrial Use and Handling Applications																							
<p>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</p>																							

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:**Small Spills:**

- Collect material via broom or mop. Place in tightly sealed container for proper disposal. Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

Large Spills:**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

Cleaning delicate medical and dental instruments/equipment.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Exposure Parameters:**

<u>Ingredients</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>NIOSH PEL</u>
Water	7732-18-5	Not Listed	Not Listed
Propylene Glycol	57-55-6	10 mg/m ³ Aerosol	10 mg/m ³ Aerosol
Glycerine	56-81-5	10 mg/m ³ Mist	5 mg/m ³ Mist
Alcohol Ethoxylate	68439-46-3	Not Listed	Not Listed
Triethanolamine	102-71-6	5 mg/m ³ Dust	Not Listed
Boric Acid	10043-35-3	10 mg/m ³ Dust	15 mg/m ³ Dust
Enzyme	9014-01-1	Not Listed	Not Listed

8.2 Exposure Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

Ventilation and Engineering Controls:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Safety glasses or goggles are recommended.

Eye Protection:

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.
 If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:**

Appearance (Physical State and Color): Blue liquid with a mint odor.

Odor: Mint odor

Odor Threshold: No data available

pH: 6.5

Melting/Freezing Point: <0°C

Boiling Point: 100°C

Flash Point: >200°F (>93.3°C)

Evaporation Rate: No data available

Flammability (Solid; Gas): No data available

Upper/Lower Flammability or Explosion Limits: No data available

Vapor Pressure (mm Hg @ 20°C (68° F): No data available

Vapor Density: No data available

Relative Density: Not Available

Specific Gravity: >1.080 @20°C

Solubility in Water: No data available

Weight per Gallon: No data available

Partition Coefficient (n-octanol/water): No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

9.2 Other Information:

No data available

SECTION 10 - STABILITY AND REACTIVITY**10.1 Reactivity:**

This product is not reactive.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Not identified.

10.4 Conditions to Avoid:

Contact with incompatible materials.

10.5 Incompatible Substances:

Strong oxidizing and reducing agents.

10.6 Hazardous Decomposition Products:

When heated to decomposition this product may contain carbon monoxide; carbon dioxide; and other toxic materials.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:**

Toxicity Data: No Data available at this time.

Acute toxicity	Acute Toxicity Category 4 (Oral)
Skin corrosion / irritation	Based on available data, the classification criteria are not met
Serious eye damage / irritation	Eye Damage Category 1
Respiratory or skin sensitization	Respiratory Sensitizer Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Reproductive Hazard Cat 1
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Routes of Exposure:**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes, ingestion or inhalation. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: Inhalation of vapors may severe irritation of the upper respiratory system. May cause allergic reaction.

Skin Contact: Contact with skin may cause skin irritation with local redness.

Eye Contact: Vapours and direct contact to the eyes may be irritating.

Ingestion: Swallowing may result in irritation or burns of the mouth, throat and gastrointestinal system.

Chronic: None known

Target Organs:

Acute: Skin, Eyes, Respiratory System

Chronic: None known

Suspected Cancer Agent:

One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is considered to be, or suspected to be a cancer-causing agent by these agencies.

Triethanolamine CAS#: 102-71-6 Group 3 Not classifiable as to its carcinogenicity to humans

Irritancy:

Contact with this product can be irritating to exposed skin, eyes and respiratory system.

Sensitization to the Product:

This product is expected to cause respiratory sensitization.

Germ Cell Mutagenicity:

This product does not contain ingredients that are suspected to be a germ cell mutagenic.

Reproductive Toxicity:

This product is expected to be a human reproductive toxicant.

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity:**

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available.

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION**14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number: None

Proper Shipping Name: None

Hazard Class Number and Description: None

Packing Group: None

DOT Label(s) Required: None

North American Emergency Response Guidebook Number: None

14.2 Environmental Hazards:**Marine Pollutant:**

One of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is not considered as dangerous goods.

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. None known

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No

U.S. SARA 313: None known**U.S. CERCLA Reportable Quantity:** None known**U.S. TSCA Inventory Status:**

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

Classified per WHMIS 2015 Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:**Listing of the components on individual country Chemical Inventories is as follows:**

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: November 4, 2016

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Cetylite assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Cetylite assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

Revision History:

March 8, 2012

- Document creation.

November 4 2016

- Updated template with *corrected GHS elements and added data elements for EU compliance.*

END OF SDS SHEET