

MATERIAL SAFETY DATA SHEET

HAZARD RATING		
FIRE:	0	0 = Insignificant
TOXICITY:	1	1 = Slight
REACTIVITY:	1	2 = Moderate
SPECIAL:		3 = High
		4 = Extreme

Lamaur Professional Products
 Division of Zotos International Inc.
 100 Tokeneke Road, Darien, CT 06820
 Phone No.: 203-656-7821
 Monday Thru Friday (8:30 a.m. – 5:00 p.m. EST)

MSDS CODE: V47, B55

24 HOUR EMERGENCY NO.: (800) 584-8038

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I. MATERIAL IDENTIFICATION

PRODUCT NAME: APPLE PECTIN® ULTIMATE® 20-Minute Self Timing Wave (Including Solution and Neutralizer)
 CHEMICAL FORMULA: Mixture CAS NUMBER: None
 DOT PROPER SHIPPING NAME: Not regulated DOT HAZARD CLASS/I.D. NO: None
 U. S. SURFACE FREIGHT CLASSIFICATION: Toilet Preparation, NOI DOT LABELING: None

II. INGREDIENTS

MATERIALS	CAS NUMBER	PERCENT	TVL (units)	HAZARD DATA
APPLE PECTIN® ULTIMATE® Perm Solution				
Monoethanolamine	126-97-6	< 7	None established Eye and skin irritant.	ACGIH Mfr.
Thioglycolate				
Cysteamine Hydrochloride	156-57-0	< 6	None established Eye and skin irritant.	ACGIH Mfr.
Monoethanolamine	141-43-5	> 2	None established Eye and skin irritant.	ACGIH Mfr.
Trisodium Hydroxyethyl EDTA	139-89-9	< 3	None established Eye and skin irritant.	ACGIH Mfr.
Urea, Prilled	57-13-6	< 2	None established Eye and skin irritant.	ACGIH Mfr.
APPLE PECTIN® ULTIMATE® Perm Neutralizer				
Hydrogen Peroxide	7722-84-1	< 3	1 ppm TWA 1.4 mg/m ³ TWA Eye irritant.	ACGIH Mfr.

Also contains water, silicone, fragrance, preservatives, and other essential ingredients.
Ingredients not precisely identified are proprietary and non hazardous.

III. PRECAUTIONARY STATEMENTS

FOR PROFESSIONAL USE ONLY. CAUTION: Do not give this or any other perm if scalp is sensitive or abraded, or if your client has a history of allergic reaction to a permanent wave or other cosmetic products. Be sure to ask first! Always wear gloves when preparing or applying perm. All neck and ear jewelry should be removed by client. Do not allow perm solution to contact skin, eyes, or ears. If contact occurs, flush repeatedly with clean, cool water. Change neck towel or cotton band immediately if it becomes saturated with lotion. If waving mixture contacts skin or scalp, blot (do not wipe) with cotton saturated in cool water.

na = not applicable; ca = approximately; < = less than; > = greater than

IV. PHYSICAL DATA

COMPONENT:	BOILING POINT, 760 mm Hg:	SPECIFIC GRAVITY (H ₂ O =1):	VAPOR DENSITY (air=1):	VOLATILES BY VOLUME, %:	APPEARANCE AND ODOR:	VAPOR PRESSURE at 20°C:	SOLUBILITY IN WATER:	EVAPORATION RATE (water=1):	pH:
APPLE PECTIN® ULTIMATE® Perm Solution	na	ca 1	> 1	na	Clear liquid.	na	Complete	1	8.2 - 8.6
APPLE PECTIN® ULTIMATE® Perm Neutralizer	na	ca 1	> 1	na	Opaque liquid.	na	Complete	1	2.6 - 3.0

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V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: APPLE PECTIN® ULTIMATE® 20-Minute Self Timing Perm Solution > 212°F FLAMMABLE LIMITS IN AIR: na
APPLE PECTIN® ULTIMATE® 20-Minute Self Timing Perm Neutralizer > 212°F

EXTINGUISHING MEDIA: Water, ABC all purpose extinguisher or CO₂ extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES: None UNUSUAL FIRE AND EXPLOSION HAZARDS: None

VI. HEALTH HAZARD INFORMATION

Consumer experience with these types of personal care products indicate these formulations are expected to have the following hazard information:

COMPONENT:	HAZARD DATA:	EFFECTS OF OVEREXPOSURE:
APPLE PECTIN® ULTIMATE® Perm Solution	Eye irritant.	May cause skin and eye irritation.
APPLE PECTIN® ULTIMATE® Perm Neutralizer	Eye irritant.	May cause skin and eye irritation.

EMERGENCY AND FIRST AID PROCEDURES: If contact with skin or eyes occurs, flush repeatedly with clean, cool water. If irritation persists seek medical attention immediately.
INHALATION: Avoid further breathing of vapors.

VII. REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY: Metallic bowls or stirrers, metallic or organic contamination, reducing agents, and oxidizing materials such as bleaches and hydrogen peroxide.

HAZARDOUS POLYMERIZATION: Will not occur.

COMPONENT:	CONDITIONS TO AVOID:	HAZARDOUS DECOMPOSITION PRODUCTS:
APPLE PECTIN® ULTIMATE® Perm Solution	Heavy metals, oxidizing materials, and acids. Avoid impact.	Ammonia, Hydrogen Sulfide, and Sulfides.
APPLE PECTIN® ULTIMATE® Perm Neutralizer	Heavy metals, reducing agents. Avoid excessive heat.	Oxygen (which supports combustion and will build pressure within closed containers).

VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small Spill: Using gloves, mop up excess material and dispose of material properly. Flush with large volume of water.
Large Spill: Immediately dike far ahead of spill and notify treatment plant. Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Absorb remaining liquid with sand, clay, earth, or other absorbent material and dispose of material properly. Flush residual with large volumes of water.

WASTE DISPOSAL: Follow all local, state and federal regulations and notify treatment plant in case of large spill.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not required.
VENTILATION: To avoid irritating fumes use adequate exhaust system.
PROTECTIVE GLOVES: Use rubber or plastic gloves.
EYE PROTECTION: Not required. Avoid contact with eyes
OTHER PROTECTIVE MEASURES: None.

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X. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a dry, well ventilated area, away from sunlight, radiators, and heating elements.

OTHER PRECAUTIONS: None.

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, LAMAUR extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences for its use