

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: A62, B23, A75

24 HOUR EMERGENCY NO.: ([800] 228-5635 Ext. 019)

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I. MATERIAL IDENTIFICATION

PRODUCT NAME: VITA/E PERM with Vitamin E (Including Solution, Neutralizer, and Oil)

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
VITA/E Perm Solution				
Ammonium Thioglycolate	5421-46-5	< 10	None established.	ACGIH
Ammonium Hydroxide	1336-21-6	< 3	Eye and skin irritant.	Mfr.
None established.			None established.	ACGIH
VITA/E Perm Neutralizer			Eye and skin irritant.	Mfr.
Hydrogen Peroxide	7722-84-1	< 3	1 ppm TWA 1.4 mg/m ³ TWA	ACGIH
Adipic Acid	78-21-7	> 1	Eye irritant.	Mfr.
N-Cetyl-N-Ethylmorpholinium Ethosulfate	78-21-7	< 1	5 mg/m ³ TWA	ACGIH
N-Cetyl-N-Ethylmorpholinium Ethosulfate			Eye and skin Irritant.	Mfr.
None established.			None established.	ACGIH
VITA/E Oil			Eye and skin irritant.	Mfr.
Alkyl Aryl Polyether Alcohol		< 65	None established.	ACGIH
Hexylene Glycol	107-41-5	< 20	Eye and skin irritant.	Mfr.
			C 25 ppm TWA	ACGIH
			C 121 mg/m ³ TWA	
			Eye and skin irritant	

Also contains water, nonionic surfactant, fragrance, colorant, 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:
VITA/E Perm Solution	na	ca 1	> 1	na	Clear, amber liquid.	na	Complete	1	9.35-9.65
VITA/E Perm Neutralizer	na	ca 1	> 1	na	Opaque liquid.	na	Complete	1	2.5-2.8
VITA/E Oil	na	ca 1	> 1	na	Clear, amber liquid.	na	Complete	< 1	na

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V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: VITA/E Perm Solution > 212°F **FLAMMABLE LIMITS IN AIR:** na
VITA/E Perm Neutralizer > 212°F
VITA/E Oil > 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:
VITA/E Perm Solution	Eye irritant.	May cause skin and eye irritation.
VITA/E Perm Neutralizer	Eye irritant.	May cause skin and eye irritation.
VITA/E Oil	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:
VITA/E Perm Solution	Heavy metals, oxidizing materials, and acids. Avoid impact.
VITA/E Perm Neutralizer	Heavy metals, reducing agents. Avoid excessive heat.
VITA/E Oil	Heavy metals, oxidizing materials, and acids.

COMPONENT:	CONDITIONS TO AVOID:
VITA/E Perm Solution	Heavy metals, oxidizing materials, and acids. Avoid impact.
VITA/E Perm Neutralizer	Heavy metals, reducing agents. Avoid excessive heat.
VITA/E Oil	Heavy metals, oxidizing materials, and acids.

HAZARDOUS DECOMPOSITION PRODUCTS:
Ammonia, hydrogen sulfide, and sulfides.
Oxygen (which supports combustion and will build pressure within closed containers).
Oxides or carbon.

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.

PREPARED BY: BBW

PREPARED: 11/98

REVIEWED BY: DRN; JGW; CJM

SUPERSEDES: 09/94

SECTIONS REVISED: Company name change

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