

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)

24 HOUR EMERGENCY NO.: ([800] 228-5635 Ext. 019) MSDS CODE: A62, B23, A75

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

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
VITA/E Perm Neutralizer > 212°F
VITA/E Oil > 212°F

FLAMMABLE LIMITS IN AIR: na

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:	HAZARDOUS DECOMPOSITION PRODUCTS:
VITA/E Perm Solution	Heavy metals, oxidizing materials, and acids. Avoid impact.	Ammonia, hydrogen sulfide, and sulfides.
VITA/E Perm Neutralizer	Heavy metals, reducing agents. Avoid excessive heat.	Oxygen (which supports combustion and will build pressure within closed containers).
VITA/E Oil	Heavy metals, oxidizing materials, and acids.	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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