

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: V50, B60

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

Prepared: 01/14/00

Current MSDS Update: 03/03/03

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I. MATERIAL IDENTIFICATION

PRODUCT NAME: PATIVA™ Alternative Wave (Including Solution and Leave-in Wave Fortifier)
 (Tinted/Bleached or Highly Porous Hair)

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

<u>MATERIALS</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>TVL (units)</u>	<u>HAZARD DATA</u>
PATIVA™ Alternative Wave Solution Cysteamine Hydrochloride	156-57-0	< 12	None established. Moderate Eye and skin irritant.	ACGIH Mfr.
Ammonium Hydroxide	1336-21-6	< 2	None established. Skin and Eye irritant.	ACGIH Mfr.
PATIVA™ Fort-tu-loc™ Leave-in Wave Fortifier Phosphoric Acid	7664-38-2	< 4	1 mg/ m ³ TWA 3 mg/ m ³ STEL	ACGIH ACGIH

Also contains water, silicone, sodium perborate, nonionic surfactant, fragrance and other essential ingredients.

Ingredients not precisely identified are proprietary and non hazardous.

III. PRECAUTIONARY STATEMENTS

FOR PROFESSIONAL USE ONLY. IMPORTANT PRECAUTIONS: Do not give this or any other alternative wave if scalp is sensitive, sore or abraded, or if your client has a history of allergic reaction to a chemical services. Always wear gloves when applying solution. All neck and ear jewelry should be removed by client. Do not drip solution onto skin or scalp. If contact with skin occurs, blot (do not wipe) with cotton soaked in cool water. Change neck towel or cotton band immediately if it becomes saturated with solution.

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

IV. PHYSICAL DATA

COMPONENT:	BOILING POINT, 760 mm Hg:	SPECIFIC GRAVITY (H₂O = 1):	VAPOR DENSITY (air = 1):	VOLATILES BY VOLUME, %:	APPEARANCE AND ODOR:	VAPOR PRESSURE at 20°C:	SOLUBILITY IN WATER:	EVAPORATION RATE (Water = 1):	pH:
PATIVA™ Alternative Wave Solution	na	ca 1	> 1	na	Clear, non-viscous liquid.	na	Complete	1	ca 8.4 - 8.9
PATIVA™ Fort-tu-loc™ Leave-in Wave Fortifier	na	ca 1	> 1	na	Opaque liquid.	na	Complete	1	2.80-3.20

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V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: PATIVA™ Alternative Wave Solution > 212°F **FLAMMABLE LIMITS IN AIR:** na
PATIVA™ Fort-tu-loc™ Leave-in Wave Fortifier > 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:
PATIVA™ Alternative Wave Solution	Eye irritant.	May cause skin and eye irritation.
PATIVA™ Fort-tu-loc™ Leave-in Wave Fortifier	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:
PATIVA™ Alternative Wave Solution	Heavy metals, oxidizing materials, and acids. Avoid impact.	Ammonia, hydrogen sulfide, and sulfides.
PATIVA™ Fort-tu-loc™ Leave-in Wave Fortifier	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 adequate use 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.

Judgements 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