

Material Safety Data Sheet

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Product Type:

Date of Last Revision: 4/16/90

PERMANENT WAVES AND VOLUMIZERS

-----MANUFACTURER-----

Matrix Essentials, Inc.
30601 Carter Street
Solon, Ohio 44139

Emergency Phone:
CHEMTREC --- 1-800-424-9300

-----HAZARDOUS INGREDIENTS-----

COMPONENT	%	OSHA PEL	ACCIH TLV	CAS NUMBER
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Generally contain the following hazardous ingredients:

Neutralizers, Equalizers, Stabilizers, and Volumizer Phase II

Hydrogen Peroxide	< 10.0	1 ppm	1 ppm	7722-34-1
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Waves and Volumizer Phase I

Ammonium Hydroxide	< 4.0	50 ppm	25 ppm	1336-21-6
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Ammonium Thioglycolate	< 15.0	N E	4 mg/cu m	
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Diammonium Dithioglycolate	< 10.0	N E	N E	
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Moisture Supplement, Activators

Glyceryl Monthioglycolate	< 50.0	none	none	
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Structural Protector, Restructurizer

Contains no hazardous chemicals by OSHA, EPA, RCRA, Right-To-Know or SARA.

-----PHYSICAL/CHEMICAL PROPERTIES-----

Boiling Point: N/A

Specific Gravity: < 1.3

Appearance and Odor: Neutralizers: Translucent white liquid, almost odorless.

Waves: Clear, colorless, water thin liquid. Ammonia, perfume and sulfide-like odor. Moisture Supplement: Clear colorless viscous liquid with characteristic mercaptan odor. Volumizer Phase I: Blue, translucent, thick, viscous liquid; ammonia, perfume and sulfide-like odor. Volumizer Phase II: Translucent, white liquid with a pleasant floral odor.

-----FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT: N/A or less than 250 degrees F

Extinguishing Media: Water, Fog, CO2, Dry Chemical

Special Fire Fighting Procedures: Self contained breathing apparatus equipped with a full facepiece operated in a positive pressure mode, and full protective clothing.

Unusual Fire and Explosion Hazards: Neutralizers: Can release oxygen.

Waves: Can release toxic Hydrogen and SO2 gas

-----REACTIVITY DATA-----

Stability: Neutralizers--Unstable; All others--Stable

Polymerization: Will not occur

Conditions to Avoid: Heat, contamination of any kind, pH over 4.0, acids, heavy metals, oxidizing substances.

Materials to Avoid: Reducing substances and heavy metals, wood, rust, dirt, etc.

Hazardous Decomposition or By-products: On combustion can release Oxygen, SO2, and Hydrogen Sulfide.

-----HEALTH HAZARD INFORMATION-----

Primary Routes of Exposure: Skin Contact, Ingestion, Inhalation

Acute Health Hazards: Irritation of eye, skin, and mucous membrane. Very large amounts may be toxic.

Chronic Health Hazards: Irritation and burns to skin, eyes, and mucous membrane is possible.

Carcinogenicity: These products have not been tested as a whole, however none of the ingredients are carcinogenic or suspected carcinogens by NPT, OSHA, or IARC.

First Aid Procedures:

In case of eye contact: Flush immediately with large amounts of water for 15 minutes; seek medical attention.

In case if ingestion: Drink several glasses of water, induce vomiting and seek medical attention.

In case of skin contact: Flush with large quantities of water; seek medical attention, if necessary.

In case of inhalation: Remove to fresh air

-----SPILL, LEAK, AND DISPOSAL-----

Spills: Dilute with large amounts of water; hold and let hydrogen peroxide decompose. Absorb with sawdust.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

Observe precautions and personal protective equipment requirements set forth in the following section.

-----SPECIAL PRECAUTIONS AND PERSONAL PROTECTION-----

Precautions: Store at room temperature. Avoid excessive heat and contamination of any kind.

Personal Protection: Eye protection recommended. Impervious plastic gloves and impervious plastic cape and cotton band around hairline recommended while processing.

Work Practices: Normal good work and hygienic practices. Wash hands after product use or contact. Keep product separate from all food and beverages.

-----DISCLAIMER-----

The information provided on this Material Safety Data Sheet ("MSDS") is believed by Matrix Essentials, Inc. to be accurate based upon data available at the time the MSDS was prepared. The information on this MSDS is intended to cover the normal and customary use of the product and may not be applicable to all situations or to all individuals. This data sheet does not constitute a warranty of the products it covers.