KERATIN TREATMENT
1-Day Formula
Material Safety Data Sheet

Updated: 01/20/18

FOR PROFESSIONAL USE ONLY

Section 1 - Chemical Product and Company Identification

Product Name: KERATIN TREATMENT – 1-Day Formula
Registration #: KT1D1102
Classification: PROFESSIONAL Cosmetic
Other Designations: For Professional Salon Use Only
General Use: Hair Treatment/Conditioner
Distributor: 7 South 7th Street, Stroudsburg, PA 18360
Emergency: 570-426-4040
Regulatory References: US FDA CFR Title 21

Revision Notes: If this product is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use, it may be re-classified as a "Consumer Commodity" pursuant to 49 CFR 173.306(h).

Section 2 - Composition / Information on Ingredients

Formulation ID: KT1D1102

Ingredient Name	CAS Number	% w/w range
WATER (AQUA)	N/A	>50
PROPYLENE GLYCOL	57-55-6	1-5
HYDROLYZED KERATIN	69430-36-0	1-5
CYCLOPENTASILOXANE	541-02-6	0.01-0.1
AMODIMETHICONE	71750-80-6	0.1-1
DIMETHICONE	9006-65-9	0.1-1
HYDROGENATED POLYISOBUTENE	40921-86-6	1-5
DIMETHICONE CROSSPOLYMER-3	N/A	0.01-0.1
CETEARYL ALCOHOL	8005-44-5	0.1-1
RAGRANCE (PARFUME)	N/A	1-5
PHENOXYETHANOL	122-99-6	0.1-1
FORMALDEHYDE	50-00-0	0.1-1
CETRIMONIUM CHLORIDE	112-02-7	0.1-1
BENZYL SALICYLATE	118-58-1	0.1-1
CITRONELLOL	106-22-9	0.1-1
BENZOIC ACID	65-85-0	0.1-1

Trace Impurities: N/A

Section 3 - Hazards Identification

Potential Health Effects

The chief health hazard associated with overexposure would be irritation of the eyes, skin nose, and other tissues that come in contact with liquid or mists generated from this product.

Primary Entry Routes: Skin contact, or by accidental ingestion or eye contact

Target Organs: None known in humans

Acute Effects: Could cause mild eye irritation in some individuals.

Inhalation: It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material is not likely to be harmful. Thermal decomposition over 450˚ F of this product can generate formaldehyde gases and a breathing apparatus is recommended.

Eye: Direct contact may cause temporary redness and discomfort.

Skin: May cause mild skin irritation. Symptoms may include redness and burning of skin. Although rare, skin contact may cause allergic skin reaction

Ingestion: Low ingestion hazard associated with normal use conditions.

Carcinogenetic: OSHA: Formaldehyde is classified as a human carcinogen. IARC, Volume 88 (2006). Classifies formaldehyde as Group 1, carcinogenic to humans.
Medical Conditions Aggravated by Long-Term Exposure: Sensitivity to certain fragrance components
Chronic Effects: Frequent or prolonged exposure to formaldehyde may cause hypersensitivity leading to contact dermatitis. Repeated or prolonged skin contact with formaldehyde may cause an allergic reaction in some people.

Section 4 - First Aid Measures

Inhalation: No first aid should be needed. If large amounts of mists or vapors are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if adverse effect continues after removal to fresh air.
Eye Contact: If the product is splashed in eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have the victim "roll" eyes. Minimum flushing is for 15 minutes. If any adverse effect occurs, seek immediate medical attention.
Skin Contact: If spilled on skin, decontaminate with copious amounts of running water. Remove exposed or contaminated clothing. Taking care not to contaminate eyes. Contaminated clothing must be laundered before re-use. In the unlikely event of symptoms such as stinging, blistering or redness, consult a physician.
Ingestion: If this product is swallowed, CALL PHYSICIAN OR POSON CONTROL CENTER FOR MOST CURRENT INFORMATION. Do not induce vomiting or give diluents (e.g. water) to someone who is unconscious, having convulsions, or unable to swallow. If vomiting occurs. Lean patient forward or place on left side (head down position if possible) to maintain an open airway and prevent aspiration.
Medical Conditions Aggravated by Exposure: Skin, respiratory, kidney, and central nervous system conditions may be aggravated by overexposure to this product.
Recommendations to Physicians: Treat symptoms. Eliminate overexposure.

After first aid, get appropriate in-plant, paramedic, or community medical support.
Note to Physicians: N/A
Special Precautions/Procedures: None known

Section 5 - Fire-Fighting Measures

Flash Point: Does not flash. Not applicable as formulation contains high level of water and no flammable solvent.
Flash Point Method: Tag closed cup
Burning Rate: Does not support combustion due to high water content.
Auto-ignition Temperature: Will not auto-ignite
LEL: N/A UEL: N/A
Flammability Classification: N/A
Extinguishing Media: On large fires use dry chemical, foam or water spray. ON small fires use carbon dioxide (C02), dry chemical or water spray. Water can be used to cool fire-exposed containers.
Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Mixed oxides of carbon (including carbon monoxide), mixed oxides of nitrogen

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

Special Fire-Fighting Procedures: Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Chemical resistant clothing may be necessary. Move fire-exposed containers if it can be done without risk to firefighters. If possible, firefighters should control runoff water to prevent environmental contamination. Rinse contaminated equipment with soapy water before returning such equipment to service.

Section 6 - Accidental Release Measures

Spill and Leak Response

Spill/Leak Procedures: No special precautions applicable.

Small Spills: Small spills should be cleaned up using absorbent (e.g. polypads). Responders should wear gloves, goggles, and suitable body protection during clean-up of small spills.

Large Spills: trained personnel using pre-planned procedures should respond to uncontrolled releases. Proper protective equipment should be used. Spills may be slippery. In case of a large spill, clear the affected area, protect people, and respond with trained personnel. . Do not release into sewers or waterways.

Cleanup: Dispose of all materials in accordance with federal, state, and local environmental regulations.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Practices: All employees who handle this material should be trained to handle it safely. Use with adequate ventilation if handling industrial-scale quantities. Avoid eye contact. Open containers slowly on stable surface. Containers of this product must be properly labeled. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

Storage Practices: It is recommended that the state and local authorities be consulted for specific storage instructions in accord with specific NFPA guidelines. Store at normal room temperature. Do not place in hot water or near radiators, stoves, or other sources of heat.

Regulatory Requirements: None applicable.

Section 8 - Exposure Controls / Personal Protection

Airborne Exposure Limits:

-OSHA Permissible Exposure Limit (PEL):
0.75 ppm (TWA), 2 ppm (STEL), 0.5 ppm (TWA) action level for formaldehyde
200 ppm (TWA) for methanol

-ACGIH Threshold Limit Value (TLV):

0.3 ppm Ceiling formaldehyde, Sensitizer, A2 Suspected Human Carcinogen
200 ppm (TWA) 250 ppm (STEL) skin for methanol

Ventilation and Engineering Controls: Use properly functioning fume hood in case of prolonged exposure to high concentrations of product vapors. Use with adequate ventilation. Eye wash station/safety showers should be near locations where this product is used or stored.

Ventilation: Proper ventilation is needed when dealing with thermal decomposition. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: N/A

Respiratory Protection: Airborne contaminant concentrations and thermal decomposition of this product must be maintained below guidelines. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134). OSHA considers oxygen levels below 19.5% IDLH. In such atmospheres, use of a full face-piece pressure/demand SCBA or a full FACEPIECE. Supplied air respirator with auxiliary self-container air supply required under OSHA's Respiratory Protection Standard (1910.134-1998)

Protective Clothing/Equipment: When handling large (manufacturing scale) quantities of this material, wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance and Odor: Pink liquid with Cherry Floral Odor
Vapor Pressure (mm Hg): <18
Vapor Density (Air = 1): <1
Solubility in Water: Complete
Reactivity in Water: None
Melting Point: Not Established
Evaporation Rate (BuAc=1): <1
By Volume (%) (Minus Water): <10
Boiling Point: > 100°C (>212°F)
Specific Gravity: > 0.9944
pH: 8.0-9.0

Section 10 - Stability and Reactivity

Stability: This material is stable under normal handling and storage conditions as described in Section 7.

Decomposition Products: Thermal decomposition over 450˚ F of this product can generate formaldehyde gases.
Materials With Which Substance is Incompatible: This product is not compatible with sulfuric acids, isocyanates, strong oxidizers, strong bases, strong reducing agents, acid chlorides, and acid anhydrides.
Hazardous Polymerization: Will not occur
Conditions to Avoid: Avoid exposures to or contact with extreme temperatures, incompatible materials, and sources of ignition.

Section 11 - Toxicological Information

The trace Formaldehyde component of this product is classified by the NTP as Reasonably Anticipated to Be a Human Carcinogen, by OSHA as a Carcinogen Defined with no Further Classification and by IARC as Probably Carcinogenic to Humans. The remaining components of this product are not found on the following lists: Federal OSHA Z List, NTP, IARC and Cal/OSHA.

Irritancy Of Product: This product is slightly irritating to eyes, skin and respiratory system.

Section 12 - Ecological Information

Ecotoxicity: Based on composition, not expected to be a significant ecotoxin.
Environmental Fate: Not known.
Environmental Degradation: ~10% of product is non-volatile. Precise environmental fate is unknown.
Soil Absorption/Mobility: Not known

Section 13 - Disposal Considerations

Product Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
Disposal Regulatory Requirements: This product is not a RCRA Hazardous Waste under 40 CFR 261. Consult state and local regulations regarding proper disposal method.
Container Cleaning and Disposal: Follow regular sanitary practices.

Section 14 - Transport Information

DOT/Ground Transportation: Not Regulated (Developmental Product/Finished Product)
ICAO/IATA: Not Regulated (Developmental Product/Finished Product)

Section 16 - Other Information

Reviewed By: Marcus Tirado Regulatory Specialist – H+Y Regulatory Graphic Consultants LLC.
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