

MATERIAL SAFETY DATA SHEET

Cosmedx Science, Inc.

Product Name: USP KERATIN SMOOTHING TRTMNT

Issue Date: 11/15/10

Reference: ES41-033C

1. Product and Company Identification

PRODUCT TYPE: COSMETIC HAIR STRAIGHTENER

DISTRIBUTOR:
USP
181 Ord Way
Oceanside, CA. 92056
(760)842-7700

EMERGENCY TELEPHONE NUMBER:

2. Hazards Identification

EMERGENCY OVERVIEW

Color: Tan to Brown

Physical State: Opaque flowing liquid

Odor: Protein-like

Hazards of Product: May be irritating to skin and/or eyes

OSHA HAZARD COMMUNICATION STANDARD

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard communication Standard, 29 CFR 1910, 1200.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause slight eye irritation. Corneal injury is unlikely.

Skin Contact: Slightly irritating to skin.

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Inhalation: No adverse effects are anticipated from inhalation.

Ingestion: Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

3. Hazardous Composition Information

COMPONENT	CAS#	AMOUNT
None Known		

4. First-Aid Measures

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If irritation or harmful effects occur, consult a physician, preferably an ophthalmologist.

Skin Contact: Wash skin with plenty of water.

Inhalation: No emergency medical treatment necessary.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Notes to Physician: No specific antidotes. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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5. Fire Fighting Measures

Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguisher. Foam. .

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire-affected zone until fire is out and danger of reigniting has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Special Protective Equipment of Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Unusual Fire and Explosion Hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide, Carbon dioxide.

6. Accidental Release Measures

Steps to be taken if material is Released or Spilled: Contain spilled material if possible. Collect with vacuum equipment. Collect in suitable and properly labeled containers. Attempt to neutralize by adding materials such as Soda Ash. See Section 13, Disposal Considerations, for additional information.

Personal Precautions: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Material becomes slippery when wet. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See section 12, Ecological Information.

7. Handling and Storage

General Handling: Avoid contact with eyes. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Storage: Store in accordance with good manufacturing practices. See Section 10 for more specific information.

8. Exposure Controls / Personal Protection

Exposure Limits

Component	List	Type	Value
NOT TESTED			

Personal Protection

Eye/Face Protection: Use safety Glasses

Skin Protection: No precautions other than clean body-covering clothing should be needed.

Hand Protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for material, skin contact should be minimized.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse affects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most condition no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. .

Engineering Controls

Ventilation: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

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9. Physical and Chemical Properties

Physical State:	Opaque Viscous Flowing Liquid
Color:	Tan to Brown
Odor:	Protein-like
Flash Point – Closed Cup:	No Test Data Available
Flammable Limits in Air:	Lower: Test Data Available Upper: No Test Data Available
Auto ignition Temperature:	Not Tested
Vapor Pressure:	No Test Data Available
Boiling Point (760 mmHG):	Not Applicable
Vapor Density (air=1):	No Test Data Available
Specific Gravity (H2O=1):	No Test Data Available
Freezing Point:	Not Applicable
Melting Point:	No Test Data Available
Solubility in Water (by weight):	Miscible
pH:	4.5-6.5
Viscosity:	15,000 – 25,000 cps

10. Stability and Reactivity

Stability / Instability: Thermally stable at typical use temperatures.

Conditions to Avoid: Avoid contact with air (oxygen). Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems. Avoid static discharge. Avoid moisture. Avoid direct sunlight or ultraviolet sources.

Incompatible Materials: Avoid contact with: Strong acids, Strong bases, Strong oxidizers.

Hazardous Polymerization: Will not occur.

Thermal Decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon dioxide, Alcohols, Ethers, Hydrocarbons, Ketones, Polymer fragments.

11. Toxicological Information

Acute Toxicity:

Ingestion

Not tested

Skin Absorption

Not tested

Sensitization

Skin

Not tested

Repeated Dose Toxicity

Based on available data, repeated exposure is not anticipated to cause significant adverse effects.

Chronic Toxicity and Carcinogenicity

Not tested

Reproductive Toxicity

Not tested

Genetic Toxicology

Not tested

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Not tested

13. Disposal Considerations

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. COSMEDX SCIENCE HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Landfill.

14. Transport Information

DOT Non-Bulk	NOT REGULATED
DOT Bulk	NOT REGULATED
IMDG	NOT REGULATED
ICAO/IATA	NOT REGULATED

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory Information**OSHA Hazard Communication Standard**

This product is not a "Hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	No
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

To the best of our knowledge, this product does not contain chemicals at levels, which require reporting under this statute.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Hazardous Substance List and/or Pennsylvania Environmental Hazardous Substance List:

To the best of our knowledge, this product does not contain chemicals at levels, which require reporting under this statute.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels, which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

WARNING: This product contains a chemical(s) known to the state of California to cause cancer.

Component	CAS#	Amount
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None

US Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CEPA – Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

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Legend

N/A	Not Available
W/W	Weight / Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
WEEL	Workplace Environmental Exposure Level
HAZ DES	Hazard Designation
Action Level	A value set by OSHA that is lower than the PEL, which will trigger the need for activities such as exposure monitoring and medical surveillance if exceeded.

USP, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective data shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's / user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to this product as shipped. Since conditions for use of this product are not under this control of the manufacturer, it the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves.