

# Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 10/07/2015

Reviewed on 10/07/2015

## 1 Identification

- **Product identifier**
- **Trade name:** Keratherapy Extreme Renewal Maximum Strength Smoothing Treatment
- **Article number:** 003278
- **Recommended use and restriction on use**
- **Recommended use:** Hair care.
- **Restrictions on use:** Contact manufacturer.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
 DIORA PROFESSIONNEL, LLC  
 1037 NW 3RD STREET  
 HALLANDALE BEACH, FLORIDA 33009  
 1-954-628-5163  
 INFO@KERATHERAPY.COM
- **Emergency telephone number:**  
 ChemTel Inc.  
 (800)255-3924, +1 (813)248-0585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 1A     H350 May cause cancer.

STOT SE 1   H370 Causes damage to organs.

STOT RE 2   H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 Corrosion

Eye Dam. 1   H318 Causes serious eye damage.



GHS07

Skin Irrit. 2   H315 Causes skin irritation.

Skin Sens. 1   H317 May cause an allergic skin reaction.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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**· Hazard pictograms:**


GHS05 GHS07 GHS08

**· Signal word: Danger**
**· Hazard-determining components of labeling:**

formaldehyde  
 cetrimonium chloride  
 Steartrimonium chloride  
 Polyethylene glycol mono(tridecyl) ether

**· Hazard statements:**

H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H350 May cause cancer.  
 H370 Causes damage to organs.  
 H373 May cause damage to organs through prolonged or repeated exposure.

**· Precautionary statements:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe mist/vapors/spray.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves and eye protection.  
 P270 Do not eat, drink or smoke when using this product.  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

**· Chemical characterization: Mixtures**
**· Description:** Mixture of the substances listed below with nonhazardous additions.

**· Dangerous components:**

50-00-0	formaldehyde	2.5-10%
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	
	Carc. 1A, H350; STOT SE 1, H370	
	Skin Corr. 1B, H314	
	Skin Sens. 1, H317	

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541-02-6	cyclopentasiloxane Flam. Liq. 4, H227	2.5-10%
71750-80-6	Dimethylsiloxane, polymer, (((3-((2-aminoethyl)amino)propyl)-dimethoxysilyl)oxy)-terminated ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	≤ 2.5%
112-02-7	cetrimonium chloride ⚠ Acute Tox. 3, H311 ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	≤ 2.5%
24938-91-8	Polyethylene glycol mono(tridecyl) ether ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	≤ 2.5%
112-03-8	Steartrimonium chloride ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	≤ 2.5%
8012-95-1	Paraffin oils ⚠ Asp. Tox. 1, H304	≤ 2.5%
56-81-5	glycerol	≤ 2.5%

**Additional information:**

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

### 4 First-aid measures

**Description of first aid measures**
**General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Product is manufactured for topical use. If irritation occurs, discontinue use and wash affected area with soap and water.

Laundry contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:**

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

**Information for doctor**
**Most important symptoms and effects, both acute and delayed:**

Allergic reactions

Strong irritant with the danger of severe eye injury.

Gastric or intestinal disorders when ingested.

• **Danger:** May cause damage to organs through prolonged or repeated exposure.

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· **Indication of any immediate medical attention and special treatment needed:**

Medical supervision for at least 48 hours.  
 Contains formaldehyde. May produce an allergic reaction.  
 If medical advice is needed, have product container or label at hand.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**  
 Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**  
 Wear self-contained respiratory protective device.  
 Wear fully protective suit.
- **Additional information:** No relevant information available.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
 Wear protective equipment. Keep unprotected persons away.  
 For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.  
 Ensure adequate ventilation.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Clean the affected area carefully; suitable cleaners are:  
 Warm water and cleansing agent  
 Send for recovery or disposal in suitable receptacles.  
 Dispose contaminated material as waste according to item 13.
- **Reference to other sections:**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling:**  
 Prevent formation of aerosols.  
 Use only in well ventilated areas.  
 Wash hands before breaks and at the end of work.
- **Information about protection against explosions and fires:** The product is not flammable.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep containers tightly sealed.
- **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

### · Components with limit values that require monitoring at the workplace:

#### 50-00-0 formaldehyde

PEL (USA)	Short-term value: 2 ppm Long-term value: 0.75 ppm see 29 CFR 1910.1048(c)
REL (USA)	Long-term value: 0.016 ppm Ceiling limit value: 0.1* ppm *15-min; See Pocket Guide App. A
TLV (USA)	Ceiling limit value: 0.37 mg/m <sup>3</sup> , 0.3 ppm DSEN; RSEN
EL (Canada)	Long-term value: 0.3 ppm Ceiling limit value: 1 ppm ACGIH A2; IARC 1; S
EV (Canada)	Short-term value: 1.0 ppm
Ceiling limit value	1.5 ppm
LMPE (Mexico)	Ceiling limit value: 0.3 ppm A2, SEN

#### 8012-95-1 Paraffin oils

PEL (USA)	Long-term value: 5 mg/m <sup>3</sup>
REL (USA)	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> oil mist
TLV (USA)	L
EV (Canada)	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> Mist
LMPE (Mexico)	Long-term value: 5 mg/m <sup>3</sup> A4

#### 56-81-5 glycerol

PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> mist; *total dust **respirable fraction
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TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *mist; **mist, respirable
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup>
LMPE (Mexico)	Long-term value: 10 mg/m <sup>3</sup>

- **Exposure controls**
- **Engineering measures** Provide adequate ventilation.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Avoid close or long term contact with the skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves** Nitrile or neoprene gloves are recommended.
- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** Avoid release to the environment.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General information**
- **Appearance:**
  - Form:** Cream.
  - Color:** White
- **Odor:** Fruit-like
- **Odor threshold:** Not determined.
- **pH-value:** 4.0-5.0
- **Change in condition:**
  - Melting point/Melting range:** Not determined.

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<b>Boiling point/Boiling range:</b>	Not determined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties:</b>	Not determined.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	0.95-1.00 g/cm <sup>3</sup> (7.928-8.345 lbs/gal)
· <b>Relative density:</b>	Not determined.
· <b>Vapor density:</b>	Not determined.
· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** Reacts with acids, alkalis and oxidizing agents.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide  
Nitrogen oxides  
Formaldehyde

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## 11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

**50-00-0 formaldehyde**

Oral	LD50	>200 mg/kg (rat)
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**24938-91-8 Polyethylene glycol mono(tridecyl) ether**

Oral	LD50	1350 mg/kg (rat)
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**112-03-8 Steartrimonium chloride**

Oral	LD50	536 mg/kg (rat)
Dermal	LD50	1600 mg/kg (rabbit)

- Primary irritant effect:

- On the skin: Irritant to skin and mucous membranes.

- On the eye: Strong irritant with the danger of severe eye injury.

- Sensitization:

Sensitizing effect through inhalation is possible with prolonged exposure.

Contains formaldehyde. May produce an allergic reaction.

- Additional toxicological information:

Danger through skin absorption.

Toxic and/or corrosive effects may be delayed up to 24 hours.

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

50-00-0	formaldehyde	1
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- NTP (National Toxicology Program):

50-00-0	formaldehyde	K
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- OSHA-Ca (Occupational Safety & Health Administration):

50-00-0	formaldehyde
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- Probable route(s) of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- Acute effects (acute toxicity, irritation and corrosivity):

Irritating to skin.

Causes serious eye damage.

- Repeated dose toxicity:

May cause sensitisation by inhalation and skin contact.

May cause damage to organs through prolonged or repeated exposure.

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carc. 1A

- Germ cell mutagenicity: Suspected of causing genetic defects.

- Carcinogenicity: Suspected of causing cancer.

- Reproductive toxicity: Based on available data, the classification criteria are not met.

- STOT-single exposure: Causes damage to organs.

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- **STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**  
Harmful to aquatic life with long lasting effects.

### 112-02-7 cetrimonium chloride

LC50 | 0.59 mg/l (zebra fish)

### 24938-91-8 Polyethylene glycol mono(tridecyl) ether

EC50 | 7.5 mg/kg (lepomis macrochirus)

- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** Not regulated.
- **UN proper shipping name**
- **DOT, ADR, IMDG, IATA** Not regulated.
- **Transport hazard class(es)**
- **DOT, ADR, IMDG, IATA**
- **Class** Not regulated.
- **Packing group**
- **DOT, ADR, IMDG, IATA** Not regulated.

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- **Environmental hazards** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Not regulated when carried in single or combination packaging containing a net quantity of 5L or less for liquids or 5 kg or less for solids per the following:  
 DOT: 171.4(2)  
 ADR: SP 375  
 IMDG: 2.10.2.7  
 IATA: special provision A197

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

**Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

**Section 304 (emergency release notification):**

None of the ingredients are listed.

**Sections 311/312 (hazardous chemical threshold planning quantity in pounds):**

None of the ingredients are listed.

**Section 355 (extremely hazardous substances):**

50-00-0 formaldehyde

**Section 313 (Specific toxic chemical listings):**

50-00-0 formaldehyde

**TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**Proposition 65 (California)**
**Chemicals known to cause cancer:**

50-00-0 formaldehyde

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**Carcinogenic categories**
**EPA (Environmental Protection Agency):**

50-00-0 formaldehyde

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**· IARC (International Agency for Research on Cancer):**

50-00-0	formaldehyde	1
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**· TLV (Threshold Limit Value established by ACGIH):**

50-00-0	formaldehyde	A2
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**· NIOSH-Ca (National Institute for Occupational Safety and Health):**

50-00-0	formaldehyde	
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**· Canadian substance listings**
**· Canadian Domestic Substances List (DSL):**

All ingredients are listed.

**· Canadian Ingredient Disclosure list (limit 0.1%):**

50-00-0	formaldehyde	
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**· Canadian Ingredient Disclosure list (limit 1%):**

8012-95-1	Paraffin oils	
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**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Date of preparation / last revision** 10/07/2015 / -

**· Abbreviations and acronyms:**

Flam. Liq. 4: Flammable liquids, Hazard Category 4  
 Acute Tox. 3: Acute toxicity, Hazard Category 3  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
 Carc. 1A: Carcinogenicity, Hazard Category 1A  
 STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1  
 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1

**· Sources**

Website, European Chemicals Agency (<http://echa.europa.eu/>)  
 Website, US EPA Substance Registry Services ([http://ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))  
 Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)  
 Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6  
 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
 Safety Data Sheets, Individual Manufacturers  
 SDS Prepared by:  
 ChemTel Inc.  
 1305 North Florida Avenue  
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Website: [www.chemtelinc.com](http://www.chemtelinc.com)

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