

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 10/08/2015

Reviewed on 10/08/2015

1 Identification

- **Product identifier**
- **Trade name:** Keratherapy Color Lock and Smooth Keratin Treatment Spray
- **Article number:** 003261
- **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.
 +1 (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.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye 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).

- **Hazard pictograms:**



GHS07 GHS08

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- **Signal word:** Danger
- **Hazard-determining components of labeling:**
formaldehyde
- **Hazard statements:**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
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.
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:**

34398-01-1	Undecan-1-ol, ethoxylated ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	< 2%
50-00-0	formaldehyde ⚠ 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	< 2%
112-02-7	cetrimonium chloride ⚠ Acute Tox. 3, H311 ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	< 2%

· **Additional information:**

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

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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.
If skin irritation or rash occurs: Get medical advice/attention.
- **After eye contact:**
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
Irritant to skin and mucous membranes.
Irritant to eyes.
- **Danger:**
May cause cancer.
Causes damage to organs.
May cause damage to organs through prolonged or repeated exposure.
- **Indication of any immediate medical attention and special treatment needed:**
Medical supervision for at least 48 hours.
Treat skin and mucous membrane with antihistamine and corticoid preparations.
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 water spray, dry chemical, CO₂, or appropriate foam.
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **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.

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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:** Avoid release to the environment.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.
- **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:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **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 ³ , 0.3 ppm DSEN; RSEN

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EL (Canada)	Long-term value: 0.3 ppm Ceiling limit value: 1 ppm ACGIH A2; IARC 1; S
EV (Canada) Ceiling limit value	Short-term value: 1.0 ppm 1.5 ppm
LMPE (Mexico)	Ceiling limit value: 0.3 ppm A2, SEN

- **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.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

Gloves are advised for repeated or prolonged contact.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

Follow OSHA or EU guidelines concerning the use of protective eyewear.

- **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:** 3.5-4.5

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- **Change in condition:**
 - Melting point/Melting range:** Not determined.
 - Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Oxidizing properties:** Not determined.
- **Vapor pressure:** Not determined.
- **Density:**
 - Relative density:** 0.90-1.00
 - Vapor density:** Not determined.
 - Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** 2500-5000 cps
 - Kinematic:** Not determined.
- **Other information** 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:**
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong alkali.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide

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Nitrogen oxides

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values that are relevant for classification:

34398-01-1 Undecan-1-ol, ethoxylated

Oral	LD50	>1400 mg/kg (rat)
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50-00-0 formaldehyde

Oral	LD50	>200 mg/kg (rat)
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- Primary irritant effect:
 - On the skin: Irritant to skin and mucous membranes.
 - On the eye: Irritating effect.
- Sensitization:
 - Sensitization possible through skin contact.
 - Contains formaldehyde. May produce an allergic reaction.
- Additional toxicological information:

- 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:
 - Inhalation.
 - Eye contact.
 - Skin contact.
 - Ingestion.
- Acute effects (acute toxicity, irritation and corrosivity): Irritating to eyes and skin.
- Repeated dose toxicity: Repeated exposure may result in skin sensitivity.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
 - Carc. 1A
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: May cause cancer.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Causes damage to organs.
- 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.

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12 Ecological information

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

34398-01-1 Undecan-1-ol, ethoxylated

EC50	1-10 mg/kg (daphnia) (48hr)
LC50	1-10 mg/l (pimephales promelas) (96hr)

112-02-7 cetrimonium chloride

LC50	0.59 mg/l (zebra fish)
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- **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.
- **Environmental hazards** Not applicable.

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<ul style="list-style-type: none"> · Special precautions for user · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p> <p>Not applicable.</p>	(Cont'd. of page 8)
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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 B1

- **IARC (International Agency for Research on Cancer):**
50-00-0 formaldehyde 1

- **TLV (Threshold Limit Value established by ACGIH):**
50-00-0 formaldehyde A2

- **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

- **Canadian Ingredient Disclosure list (limit 1%):**

None of the ingredients are listed.

- **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** 10/08/2015 / -

- **Abbreviations and acronyms:**

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

- **Sources**

Website, European Chemicals Agency ([http://http://echa.europa.eu/](http://echa.europa.eu/))

Website, US EPA Substance Registry Services ([http://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: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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