

# 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 Keratin Infused Perfect Hold Hairspray
- **Article number:** 003476
- **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, FL 33009  
Tel.: 954-628-5163  
Email: 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**



GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.

- **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:**



GHS02 GHS04

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

SD alcohol 40B  
1,1-difluoroethane

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- **Hazard statements:**

H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.

- **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P251 Do not pierce or burn, even after use.  
P211 Do not spray on an open flame or other ignition source.  
P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

64-17-5	SD alcohol 40B	 Flam. Liq. 2, H225  Eye Irrit. 2A, H319	25-50%
75-37-6	1,1-difluoroethane	 Flam. Gas 1, H220  Press. Gas, H280	25-50%
115-10-6	dimethyl ether	 Flam. Gas 1, H220  Press. Gas, H280	2,5-10%

- **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.

- **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.

- **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:**

Unlikely route of exposure.

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:**

Gastric or intestinal disorders when ingested.

- **Danger:** No relevant information available.

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- **Indication of any immediate medical attention and special treatment needed:**  
No relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use water spray, dry chemical, CO<sub>2</sub>, or appropriate foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**  
Extremely flammable aerosol.  
Formation of toxic gases is possible during heating or in case of fire.  
Risk of explosion if heated under confinement.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:**  
Eliminate all ignition sources if safe to do so.  
If aerosols are bursting, stay clear until safe. Aerosol containers can be projectiles when bursting.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
Protect from heat.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Pick up manually.  
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:**  
Avoid splashes or spray in enclosed areas.  
Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.

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Protect from heat.

Do not spray on a naked flame or any incandescent material.

- **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.

Store away from oxidizing agents.

- **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:**

### 64-17-5 SD alcohol 40B

PEL (USA)	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm
EL (Canada)	Short-term value: 1000 ppm
EV (Canada)	Long-term value: 1,900 mg/m <sup>3</sup> , 1,000 ppm
LMPE (Mexico)	Long-term value: 1000 ppm
	A3

### 115-10-6 dimethyl ether

WEEL (USA)	Long-term value: 1000 ppm
EL (Canada)	Long-term value: 1000 ppm

- **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.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

- **Engineering controls:** No relevant information available.

- **Breathing equipment:** Not required under normal conditions of use.

- **Protection of hands:**

Not required.

Gloves are advised for repeated or prolonged contact.

Protection may be required for spills.

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- **Eye protection:**



Safety glasses

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

- **Body protection:** Not required under normal conditions of use.

- **Limitation and supervision of exposure into the environment**

Avoid release to the environment.

No relevant information available.

- **Risk management measures**

Do not smoke, eat, or drink while using the product. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General information**

- **Appearance:**

- **Form:**

Aerosol

- **Color:**

Light yellow

- **Odor:**

Pleasant

- **Odor threshold:**

Not determined.

- **pH-value:**

Not determined.

- **Change in condition:**

- **Melting point/Melting range:**

Not applicable, as aerosol.

- **Boiling point/Boiling range:**

79 °C (174 °F)

- **Flash point:**

Extremely flammable aerosol.

- **Flammability (solid, gaseous):**

Not applicable.

- **Auto-ignition temperature:**

Not determined.

- **Decomposition temperature:**

Not determined.

- **Auto igniting:**

Product is not self-igniting.

- **Danger of explosion:**

Risk of explosion if heated under confinement.

- **Explosion limits:**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Oxidizing properties:**

Not determined.

- **Vapor pressure:**

Not determined.

- **Density:**

0.85-0.90 g/cm<sup>3</sup> (7.093-7.511 lbs/gal)

- **Relative density:**

Not determined.

- **Vapor density:**

Not determined.

- **Evaporation rate:**

Not applicable.

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- **Solubility in / Miscibility with:**
  - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - 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:**  
Reacts with oxidizing agents.  
Extremely flammable aerosol.  
Danger of bursting.
- **Conditions to avoid:**  
Excessive heat.  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
  
Under fire conditions only:  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

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

None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

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· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Inhalation.  
Eye contact.  
Skin contact.

· **Acute effects (acute toxicity, irritation and corrosivity):** None.

· **Repeated dose toxicity:** No relevant information available.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

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

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No relevant information available.

· **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:** Generally not hazardous for water

· **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Contact waste processors for recycling information.

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**

UN1950

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· **UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

- **DOT** Aerosols
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** Aerosols, flammable
- **Transport hazard class(es)**

· **DOT**



- **Class** 2.1
- **Label** 2.1

· **ADR**



- **Class** 2 5F Gases
- **Label** 2.1

· **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1
- **Packing group** Aerosols are not assigned a packing group.
- **DOT, ADR, IMDG, IATA** Not regulated.
- **Environmental hazards** Not applicable.
- **Special precautions for user** Warning: Gases
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** On passenger aircraft/rail: 75 kg  
On cargo aircraft only: 150 kg
- **UN "Model Regulation"** UN 1950 AEROSOLS, 2.1

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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):

None of the ingredients are listed.

### · Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

### · TSCA (Toxic Substances Control Act)

All ingredients are listed.

### · Proposition 65 (California)

#### · Chemicals known to cause cancer:

64-17-5 | SD alcohol 40B

#### · 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:

64-17-5 | SD alcohol 40B

#### · Carcinogenic categories

#### · EPA (Environmental Protection Agency):

None of the ingredients are listed.

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

64-17-5 | SD alcohol 40B

1

#### · TLV (Threshold Limit Value established by ACGIH):

64-17-5 | SD alcohol 40B

A3

#### · NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

#### · Canadian substance listings

#### · Canadian Domestic Substances List (DSL):

All ingredients are listed.

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

64-17-5 | SD alcohol 40B

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· **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** 10/07/2015 / -

· **Abbreviations and acronyms:**

Flam. Gas 1: Flammable gases, Hazard Category 1  
 Flam. Aerosol 1: Flammable aerosols, Hazard Category 1  
 Press. Gas: Gases under pressure: Compressed gas  
 Press. Gas: Gases under pressure: Liquefied gas  
 Flam. Liq. 2: Flammable liquids, Hazard Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

· **Sources**

Website, European Chemicals Agency (<http://http://echa.europa.eu/>)  
 Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://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  
 SDS Prepared by:  
 ChemTel Inc.  
 1305 North Florida Avenue  
 Tampa, Florida USA 33602-2902  
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