

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/27/2019

Reviewed on 11/27/2019

1 Identification

- **Product identifier**
- **Trade name:** *Nioxin hairspray extra hold*
- **Article number:** 92251766
- **Application of the substance / the mixture** *Hair styling product*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Coty Cosmetics, Inc.
4500 Park Granada
Calabasas, CA 91302
USA
- **Information department:** *Coty SDS Info Team*
- **Emergency telephone number:**
CHEMTREC Emergency number: +1-703-527-3887
CHEMTREC US/NA Emergency number(toll free): 800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

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

- **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 statements**
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 3

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· **HMIS-ratings (scale 0 - 4)**

| | | |
|------------|---|----------------|
| HEALTH | 0 | Health = *0 |
| FIRE | 0 | Fire = 0 |
| REACTIVITY | 3 | Reactivity = 3 |

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

· **Dangerous components:**

| | | |
|----------|----------------------|-----------|
| 64-17-5 | ethyl alcohol | >50-≤100% |
| 75-37-6 | 1,1-difluoroethane | >25-≤50% |
| 124-68-5 | Aminomethyl Propanol | ≤2.5% |
| 108-91-8 | cyclohexylamine | ≥0.1-<1% |

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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.

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· Protective Action Criteria for Chemicals

· PAC-1:

| | | |
|-----------|----------------------|-----------------------|
| 64-17-5 | ethyl alcohol | 1,800 ppm |
| 75-37-6 | 1,1-difluoroethane | 10,000 ppm |
| 124-68-5 | Aminomethyl Propanol | 17 mg/m ³ |
| 1863-63-4 | ammonium benzoate | 2.5 mg/m ³ |
| 108-91-8 | cyclohexylamine | 1.8 ppm |

· PAC-2:

| | | |
|-----------|----------------------|-----------------------|
| 64-17-5 | ethyl alcohol | 3300* ppm |
| 75-37-6 | 1,1-difluoroethane | 15,000 ppm |
| 124-68-5 | Aminomethyl Propanol | 190 mg/m ³ |
| 1863-63-4 | ammonium benzoate | 27 mg/m ³ |
| 108-91-8 | cyclohexylamine | 8.6 ppm |

· PAC-3:

| | | |
|-----------|----------------------|-----------------------|
| 64-17-5 | ethyl alcohol | 15000* ppm |
| 75-37-6 | 1,1-difluoroethane | 25,000 ppm |
| 124-68-5 | Aminomethyl Propanol | 570 mg/m ³ |
| 1863-63-4 | ammonium benzoate | 160 mg/m ³ |
| 108-91-8 | cyclohexylamine | 30 ppm |

7 Handling and storage

· Handling:

· **Precautions for safe handling** No special precautions are necessary if used correctly.

· Information about protection against explosions and fires:

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

Keep ignition sources away - Do not smoke.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Storage class:** 2 B

· **Specific end use(s)** No further 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 ethyl alcohol

PEL Long-term value: 1900 mg/m³, 1000 ppm

REL Long-term value: 1900 mg/m³, 1000 ppm

TLV Short-term value: 1880 mg/m³, 1000 ppm

108-91-8 cyclohexylamine

REL Long-term value: 40 mg/m³, 10 ppm

TLV Long-term value: 41 mg/m³, 10 ppm

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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

| | |
|--------|------------------------------------|
| Form: | Fluid |
| Color: | According to product specification |
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 8.5
- **Change in condition**

| | |
|------------------------------|-----------------------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Not applicable, as aerosol. |
- **Flash point:** Not applicable, as aerosol.
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**

| | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**

| | |
|--------|-----------------------------------|
| Water: | Not miscible or difficult to mix. |
|--------|-----------------------------------|
- **Partition coefficient (n-octanol/water):** Not determined.

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- | | |
|----------------------------|--|
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 54.4 % |
| Water: | 9.1 % |
| VOC content: | 54.45 % |
| | 544.5 g/l / 4.54 lb/gal |
| Solids content: | 6.3 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64-17-5 ethyl alcohol

| | | |
|------------|----------|-------------------------------------|
| Oral | LD50 | 10,470 mg/kg (rat) (bw (OECD 401)) |
| Inhalative | LC50/4 h | 116.9 mg/l (rat) (air (//OECD 403)) |

75-37-6 1,1-difluoroethane

| | | |
|------------|----------|------------------|
| Inhalative | LC50/4 h | 977 mg/l (mouse) |
|------------|----------|------------------|

124-68-5 Aminomethyl Propanol

| | | |
|--------|------|---|
| Oral | LD50 | 2,900 mg/kg (rat) (bw (//OECD 401)) |
| Dermal | LD50 | >2,000 mg/kg (rabbit) (bw (//OECD 402)) |

108-91-8 cyclohexylamine

| | | |
|--------|------|----------------------|
| Oral | LD50 | 500 mg/kg (rat) |
| Dermal | LD50 | 1,100 mg/kg (rabbit) |

- **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)**

| | | |
|---------|---------------|---|
| 64-17-5 | ethyl alcohol | I |
|---------|---------------|---|

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.



12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | <p style="text-align: center;">UN1950</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA | <p style="text-align: center;">Aerosols, flammable AEROSOLS AEROSOLS, flammable</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | <p style="text-align: center;">2.1 2.1</p> |
| <ul style="list-style-type: none"> · IMDG, IATA | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Class | <p style="text-align: center;">2.1</p> |

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| | |
|---|---|
| · Label | 2.1 |
| · Packing group · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code · Segregation Code | Warning: Gases - F-D,S-U SW1 Protected from sources of heat. SW2 Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. |
| · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: · DOT · Quantity limitations | On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg |
| · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | 1L Code: E0 Not permitted as Excepted Quantity |
| · UN "Model Regulation": | UN 1950 AEROSOLS, 2.1 |

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Sara

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

108-91-8 cyclohexylamine

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

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

| | | |
|------------|---|--------|
| 64-17-5 | ethyl alcohol | ACTIVE |
| 75-37-6 | 1,1-difluoroethane | ACTIVE |
| 70801-07-9 | 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with methyl 2-methyl-2-propenoate, 1,2-propanediol mono(2-methyl-2-propenoate), 2-propenoic acid and N-(1,1,3,3-tetramethylbutyl)-2-propenamide | ACTIVE |
| 124-68-5 | Aminomethyl Propanol | ACTIVE |
| 1863-63-4 | ammonium benzoate | ACTIVE |
| 68937-54-2 | Siloxanes and silicones, di-Me, 3-hydroxypropyl-Me, ethoxylated | ACTIVE |
| 142-26-7 | N-2-hydroxyethylacetamide | ACTIVE |
| 108-91-8 | cyclohexylamine | ACTIVE |
| 16485-10-2 | Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl- | ACTIVE |

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7732-18-5 | water, distilled, conductivity or of similar purity

ACTIVE

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

64-17-5 | ethyl alcohol

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 | ethyl alcohol

A3

108-91-8 | cyclohexylamine

A4

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements**

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

- **Hazard pictograms**



GHS02 GHS04

- **Signal word** Danger

- **Hazard statements**

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

- **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.

- **Department issuing SDS:** Abteilung Umweltschutz

- **Contact:** Hr. Dr. Speckbacher

- **Date of preparation / last revision** 11/27/2019 / -

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas

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