

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/04/2024

Reviewed on 03/04/2024

1 Identification

- **Product identifier**
- **Trade name:** Ocean Fragrance
- **Part numbers:** 34-7600-80, 90-4120-80
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Vaportek, Inc.
W226N6339 Village Drive
Sussex, Wisconsin 53089
USA
800.237.6367
- **Information department:** Regulatory Department
- **Emergency telephone number:**
Hours of operation: 7:00 AM - 4:00 PM Mon-Fri. (CST)
Domestic North America (262) 246-5060

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 1B H360 May damage fertility or the unborn child.

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Skin Irritation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**

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

- **Hazard pictograms**



GHS07



GHS08

- **Signal word** *Danger*

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

BENZYL BENZOATE

ORANGE TERPENES

LILIAL

FIXOLIDE

ISO E SUPER

LYRAL

PETITGRAIN OIL

METHYL IONONE GAMMA

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VERTOFIX
 LEMON OIL
 CITRONELLOL
 LAVENDER 40/42 N&A
 geraniol
 AMYL CINNAMIC ALDEHYDE
 CYCLAMEN ALDEHYDE
 HEXYL CINNAMIC ALDEHYDE
 LAVANDIN GROSSO
 LINALOOL
 LEMON TERPENES
 LIME TERPENES
 HYDROXYCITRONELLAL
 CEDARLEAF OIL
 GERANYL ACETATE

· **Hazard statements**

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Rinse mouth.
Do NOT induce vomiting.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2
 Fire = 1
 Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	*2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

· **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:**

18479-58-8	2,6-Dimethyl-7-octen-2-ol ⚠ Skin Irritation 2, H315; ⚠ Eye Irritation 2A, H319; ⚠ Flammable Liquids 4, H227	>10-≤25%
5989-27-5	ORANGE TERPENES ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; ⚠ Sensitization - Skin 1B, H317	>10-≤25%
120-51-4	BENZYL BENZOATE ⚠ Acute Toxicity - Oral 4, H302	>10-≤25%
54464-57-2	ISO E SUPER ⚠ Skin Irritation 2, H315; ⚠ Sensitization - Skin 1, H317	>10-≤25%
1506-02-1	FIXOLIDE ⚠ Acute Toxicity - Oral 3, H301	>2.5-≤10%
28219-61-6	BACDANOL ⚠ Eye Irritation 2A, H319	>2.5-<10%
78-70-6	LINALOOL ⚠ Sensitization - Skin 1B, H317; ⚠ Flammable Liquids 4, H227	>2.5-≤10%
31906-04-4	LYRAL ⚠ Sensitization - Skin 1A, H317	≥1-≤2.5%
8014-17-3	PETITGRAIN OIL ⚠ Eye Damage 1, H318; ⚠ Skin Irritation 2, H315; ⚠ Sensitization - Skin 1, H317; ⚠ Flammable Liquids 4, H227	≥1-≤2.5%
80-54-6	LILIAL ⚠ Toxic to Reproduction 1B, H360; ⚠ Flammable Liquids 4, H227	≥0.1-≤2.5%
127-51-5	METHYL IONONE GAMMA ⚠ Skin Irritation 2, H315; ⚠ Sensitization - Skin 1, H317; ⚠ Eye Irritation 2B, H320	≥0.1-<1%
32388-55-9	VERTOFIX ⚠ Sensitization - Skin 1, H317	≥0.1-<1%
8008-56-8	LEMON OIL ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; ⚠ Sensitization - Skin 1, H317	≥0.1-<1%

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106-22-9	CITRONELLOL ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥0.1-<1%
	LAVENDER 40/42 N&A ⚠ Specific Target Organ Toxicity - Single Exposure 2, H371; Specific Target Organ Toxicity - Repeated Exposure 1, H372; ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227; Eye Irritation 2B, H320	≥0.1-<1%
106-24-1	geraniol ⚠ Sensitization - Skin 1, H317	≥0.1-<1%
122-40-7	AMYL CINNAMIC ALDEHYDE ⚠ Sensitization - Skin 1, H317	≥0.1-<1%
103-95-7	CYCLAMEN ALDEHYDE ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥0.1-<1%
101-86-0	HEXYL CINNAMIC ALDEHYDE ⚠ Sensitization - Skin 1, H317	≥0.1-<1%
118-58-1	benzyl salicylate ⚠ Sensitization - Skin 1B, H317	≥0.1-<1%
8022-15-9	LAVANDIN GROSSO ⚠ Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥0.1-<1%
68917-33-9	LEMON TERPENES ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%
68917-71-5	LIME TERPENES ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%
107-75-5	HYDROXYCITRONELLAL ⚠ Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥0.1-<1%
8007-20-3	CEDARLEAF OIL ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Oral 4, H302; Sensitization - Skin 1, H317	≥0.1-<1%
105-87-3	GERANYL ACETATE ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	≥0.1-<1%

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 and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

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

- **After swallowing:** Immediately call a doctor.

- **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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** Not required.
- **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).
Dispose contaminated material as waste according to section 13.
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.
- **Protective Action Criteria for Chemicals**

· PAC-1:

5989-27-5	ORANGE TERPENES	15 ppm
120-51-4	BENZYL BENZOATE	5.7 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	81 mg/m ³
140-11-4	BENZYL ACETATE	30 ppm
89-83-8	THYMOL CRYSTALS	2.9 mg/m ³
122-99-6	ROSE ETHER	1.5 ppm
112-31-2	ALDEHYDE C-10	1.8 ppm
124-13-0	ALDEHYDE C-8	17 mg/m ³
124-19-6	ALDEHYDE C-9	0.86 mg/m ³

· PAC-2:

5989-27-5	ORANGE TERPENES	67 ppm
120-51-4	BENZYL BENZOATE	63 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	900 mg/m ³
140-11-4	BENZYL ACETATE	330 ppm
89-83-8	THYMOL CRYSTALS	32 mg/m ³
122-99-6	ROSE ETHER	16 ppm
112-31-2	ALDEHYDE C-10	19 ppm
124-13-0	ALDEHYDE C-8	190 mg/m ³
124-19-6	ALDEHYDE C-9	9.5 mg/m ³

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· PAC-3:		
5989-27-5	ORANGE TERPENES	170 ppm
120-51-4	BENZYL BENZOATE	380 mg/m ³
110-27-0	ISOPROPYL MYRISTATE	5,400 mg/m ³
140-11-4	BENZYL ACETATE	2,000 ppm
89-83-8	THYMOL CRYSTALS	190 mg/m ³
122-99-6	ROSE ETHER	97 ppm
112-31-2	ALDEHYDE C-10	120 ppm
124-13-0	ALDEHYDE C-8	1,100 mg/m ³
124-19-6	ALDEHYDE C-9	410 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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 section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
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.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· **Protection of hands:**



Protective gloves

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:**



Tightly sealed goggles

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Pale yellow
Odor:	Characteristic
Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	84 °C (183.2 °F)

· **Flash point:** >93 °C (>199.4 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto igniting:** 255 °C (491 °F)

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	0.7 Vol %
Upper:	6.1 Vol %

· **Vapor pressure at 20 °C (68 °F):** 2.3 hPa (1.7 mm Hg)

· **Density at 20 °C (68 °F):** 0.93505 g/cm³ (7.80299 lbs/gal)

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· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	14.5 %
VOC content:	14.47 %
	135.3 g/l / 1.13 lb/gal
Solids content:	7.8 %
· 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:**

120-51-4 BENZYL BENZOATE

Dermal LD50 4,000 mg/kg (rabbit)

78-70-6 LINALOOL

Dermal LD50 5,610 mg/kg (rabbit)

106-22-9 CITRONELLOL

Dermal LD50 2,650 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

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· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

5989-27-5	ORANGE TERPENES	3
140-11-4	BENZYL ACETATE	3
128-37-0	BHT	3
97-53-0	EUGENOL	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **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 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

· **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

· **UN-Number**· **DOT, ADN, IMDG, IATA** not regulated· **UN proper shipping name**· **DOT, ADN, IMDG, IATA** not regulated

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- | | |
|---|-----------------|
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

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

None of the ingredients is listed.

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

1222-05-5 GALAXOLIDE

122-99-6 ROSE ETHER

- **TSCA (Toxic Substances Control Act):** All substances are active or exempt.

- **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:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

140-11-4 BENZYL ACETATE

A4

128-37-0 BHT

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).

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· **Hazard pictograms**

GHS07 GHS08

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

BENZYL BENZOATE
 ORANGE TERPENES
 LILIAL
 FIXOLIDE
 ISO E SUPER
 LYRAL
 PETITGRAIN OIL
 METHYL IONONE GAMMA
 VERTOFIX
 LEMON OIL
 CITRONELLOL
 LAVENDER 40/42 N&A
 geraniol
 AMYL CINNAMIC ALDEHYDE
 CYCLAMEN ALDEHYDE
 HEXYL CINNAMIC ALDEHYDE
 LAVANDIN GROSSO
 LINALOOL
 LEMON TERPENES
 LIME TERPENES
 HYDROXYCITRONELLAL
 CEDARLEAF OIL
 GERANYL ACETATE

· **Hazard statements**

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Rinse mouth.
Do NOT induce vomiting.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

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*IF exposed or concerned: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **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:** Regulatory Department
- **Date of preparation / last revision** 03/04/2024
- **Abbreviations and acronyms:**
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - 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
 - Flammable Liquids 3: Flammable liquids – Category 3
 - Flammable Liquids 4: Flammable liquids – Category 4
 - Acute Toxicity - Oral 3: Acute toxicity – Category 3
 - Acute Toxicity - Oral 4: Acute toxicity – Category 4
 - Skin Irritation 2: Skin corrosion/irritation – Category 2
 - Eye Damage 1: Serious eye damage/eye irritation – Category 1
 - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
 - Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B
 - Sensitization - Skin 1: Skin sensitisation – Category 1
 - Sensitization - Skin 1A: Skin sensitisation – Category 1A
 - Sensitization - Skin 1B: Skin sensitisation – Category 1B
 - Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
 - Specific Target Organ Toxicity - Single Exposure 2: Specific target organ toxicity (single exposure) – Category 2
 - Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1
 - Aspiration Hazard 1: Aspiration hazard – Category 1
- *** Data compared to the previous version altered.**