

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/04/2019

Reviewed on 03/04/2019

1 Identification

- **Product identifier**
- **Trade name:** Ocean Fragrance
- **Part number:** 90-4120-80, 90-0931-80, 34-7600-80, 34-7700-80
- **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

Repr. 1A H360 May damage fertility or the unborn child.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

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.

- **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
 LINALOOL
 LYRAL
 PETITGRAIN OIL

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METHYL IONONE GAMMA
 VERTOFIX
 LEMON OIL
 CITRONELLOL
 LAVENDER 40/42 N&A
 GERANIOL
 AMYL CINNAMIC ALDEHYDE
 CYCLAMEN ALDEHYDE
 HEXYL CINNAMIC ALDEHYDE
 BENZYL SALICYLATE
 LAVANDIN GROSSO
 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.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Read label before use.
 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: Call a poison center/doctor if you feel unwell.
 Rinse mouth.
 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.
 Specific treatment (see on this label).
 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:

5989-27-5	ORANGE TERPENES ⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	>10–≤25%
18479-58-8	DIHYDROMYRCENOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	>10–≤25%
120-51-4	BENZYL BENZOATE ⚠ Acute Tox. 4, H302	>10–≤25%
54464-57-2	ISO E SUPER ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	>10–≤25%
1506-02-1	FIXOLIDE ⚠ Acute Tox. 3, H301	>2.5–≤10%
28219-61-6	BACDANOL ⚠ Eye Irrit. 2A, H319	>2.5–<10%
78-70-6	LINALOOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317; Flam. Liq. 4, H227	>2.5–<10%
31906-04-4	LYRAL ⚠ Skin Sens. 1A, H317	≥1–≤2.5%
8014-17-3	PETITGRAIN OIL ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	≥1–≤2.5%
80-54-6	LILIAL ⚠ Acute Tox. 3, H301; ⚠ Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	≥1–≤2.5%
127-51-5	METHYL IONONE GAMMA ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2B, H320	≥0.1–<1%
32388-55-9	VERTOFIX ⚠ Skin Sens. 1, H317	≥0.1–<1%
8008-56-8	LEMON OIL ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<1%

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106-22-9	CITRONELLOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	≥0.1–<1%
	LAVENDER 40/42 N&A ⚠ STOT SE 2, H371; STOT RE 1, H372; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335; Flam. Liq. 4, H227; Eye Irrit. 2B, H320	≥0.1–<1%
106-24-1	GERANIOL ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<1%
122-40-7	AMYL CINNAMIC ALDEHYDE ⚠ Skin Sens. 1, H317	≥0.1–<1%
103-95-7	CYCLAMEN ALDEHYDE ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	≥0.1–<1%
101-86-0	HEXYL CINNAMIC ALDEHYDE ⚠ Skin Sens. 1, H317	≥0.1–<1%
118-58-1	BENZYL SALICYLATE ⚠ Skin Sens. 1, H317	≥0.1–<1%
8022-15-9	LAVANDIN GROSSO ⚠ Eye Irrit. 2A, H319; Skin Sens. 1, H317; Flam. Liq. 4, H227	≥0.1–<1%
68917-33-9	LEMON TERPENES ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<1%
68917-71-5	LIME TERPENES ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<1%
107-75-5	HYDROXYCITRONELLAL ⚠ Eye Irrit. 2A, H319; Skin Sens. 1, H317	≥0.1–<1%
8007-20-3	CEDARLEAF OIL ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1–<1%
105-87-3	GERANYL ACETATE ⚠ Skin Irrit. 2, H315; Skin Sens. 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 item 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
124-19-6	ALDEHYDE C-9	0.86 mg/m ³
124-13-0	ALDEHYDE C-8	17 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
124-19-6	ALDEHYDE C-9	9.5 mg/m ³
124-13-0	ALDEHYDE C-8	190 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
124-19-6	ALDEHYDE C-9	410 mg/m ³
124-13-0	ALDEHYDE C-8	1,100 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 item 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:** >93.3 °C (>199.9 °F)

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

· **Ignition temperature:** 255 °C (491 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

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

· **Explosion limits:**

· Lower:	0.7 Vol %
· Upper:	6.1 Vol %

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· Vapor pressure at 20 °C (68 °F):	2.3 hPa (1.7 mm Hg)
· Density at 20 °C (68 °F):	0.93505 g/cm ³ (7.80299 lbs/gal)
· 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:		
ATE (Acute Toxicity Estimate)		
Oral	LD50	>1,031 mg/kg
Dermal	LD50	28,492 mg/kg (rabbit)
5989-27-5 ORANGE TERPENES		
Oral	LD50	4,400 mg/kg (rat)
120-51-4 BENZYL BENZOATE		
Oral	LD50	1,700 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rabbit)
78-70-6 LINALOOL		
Oral	LD50	2,790 mg/kg (rat)

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Dermal	LD50	5,610 mg/kg (rabbit)
106-22-9 CITRONELLOL		
Oral	LD50	3,450 mg/kg (rat)
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

· **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.

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- **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
- **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 MARPOL73/78 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):**

122-99-6	ROSE ETHER
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- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **TSCA new (21st Century Act) (Substances not listed)**

	LAVENDER 40/42 N&A
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8007-20-3	CEDARLEAF OIL
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- **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.

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· 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 established by ACGIH)

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).

· Hazard pictograms


GHS07 GHS08

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

BENZYL BENZOATE
 ORANGE TERPENES
 LILIAL
 FIXOLIDE
 ISO E SUPER
 LINALOOL
 LYRAL
 PETITGRAIN OIL
 METHYL IONONE GAMMA
 VERTOFIX
 LEMON OIL
 CITRONELLOL
 LAVENDER 40/42 N&A
 GERANIOL
 AMYL CINNAMIC ALDEHYDE
 CYCLAMEN ALDEHYDE
 HEXYL CINNAMIC ALDEHYDE
 BENZYL SALICYLATE
 LAVANDIN GROSSO
 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.

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May damage fertility or the unborn child.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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: Call a poison center/doctor if you feel unwell.

Rinse mouth.

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.

Specific treatment (see on this label).

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** 03/04/2019 / -

· **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

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. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 3: Acute toxicity – Category 3

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Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 1A: Reproductive toxicity – Category 1A
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

US