

SAFETY DATA SHEET

Issuing Date 16-Aug-2013

Revision Date 27-Apr-2015

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Spa Viva!E Refill

Contains Citral, 2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-, D-Limonene, Linalool, Camphor

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Air freshener

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

| Importer | Company |
|---------------------------------------|---------------------------------------|
| Fragrance Delivery Technologies, LTD | Fragrance Delivery Technologies, LTD |
| P.O.Box 262800 | P.O.Box 262800 |
| Dubai | Dubai |
| United Arab Emirates | United Arab Emirates |
| TEL: +9714 887 0577 | TEL: +9714 887 0577 |
| email: fdtinquiries@oxygenpowered.com | email: fdtinquiries@oxygenpowered.com |

For further information, please contact

E-mail Address No information available.

1.4. Emergency telephone number

Emergency Telephone Number No information available.

| | |
|---------------|-----|
| Europe | 112 |
|---------------|-----|

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

| | |
|-----------------------------------|------------|
| Acute Oral Toxicity | Category 4 |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |
| Skin Sensitization | Category 1 |
| Chronic Aquatic Toxicity | Category 2 |

Physical Hazards

| | |
|-------------------|------------|
| Flammable liquids | Category 3 |
|-------------------|------------|

Classification according to EU Directives 67/548/EEC or 1999/45/EC

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

| | |
|------------------|---|
| Symbol(s) | Xn - Harmful N - Dangerous for the environment |
| R-code(s) | Xi;R38 - R43 - N;R51-53 |

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2. Label Elements



Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H411 - Toxic to aquatic life with long lasting effects
 H226 - Flammable liquid and vapor
 EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P264 - Wash face, hands and any exposed skin thoroughly after handling
 P370 + P378 - In case of fire: Use carbon dioxide, alcohol-resistant foam, or water spray for extinction
 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 soap and water
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

Precautionary Statements

P270 - Do not eat, drink or smoke when using this product

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

P330 - Rinse mouth

P332 + P313 - If skin irritation occurs: Get medical advice/ attention

P362 - Take off contaminated clothing and wash before reuse

P264 - Wash face, hands and any exposed skin thoroughly after handling

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P272 - Contaminated work clothing should not be allowed out of the workplace

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

P321 - Specific treatment (see supplemental first aid instructions on this label)

P363 - Wash contaminated clothing before reuse

P273 - Avoid release to the environment

P391 - Collect spillage

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed

P240 - Ground/Bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information

No information available.

Section 3. Composition/information on ingredients

3.1. Substances

| Chemical Name | EC-No | CAS-No | Weight % | Classification | EU - GHS Substance Classification | REACH No. |
|--|-----------|------------|----------|----------------------------------|--|-------------------|
| Dihydromyrcenol | 242-362-4 | 18479-58-8 | 15-<20 | Xi;R38 | Skin Irrit. 2 (H315) | No data available |
| Camphor | 200-945-0 | 76-22-2 | 15-<20 | Xn;R20-40/22 | | No data available |
| Pinene | 215-533-6 | 1330-16-1 | 5-<10 | - | | No data available |
| Lynalyl acetate (ex bois de rose, synthetic) | 204-116-4 | 115-95-7 | 5-<10 | N;R51/53 | Aquatic Chronic 2 (H411) | No data available |
| Linalool | 201-134-4 | 78-70-6 | 5-<10 | R52-53 Xi; R36/38 R43 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412) | No data available |
| Eucalyptol | 207-431-5 | 470-82-6 | 5-<10 | R52-53 | Aquatic Chronic 3 (H412) | No data available |
| n-Hexyl acetate | 205-572-7 | 142-92-7 | 3-<5 | R10; N R51/53 | EFFA: EH A2; FL 3; SCI 3 | No data available |
| 2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)- | 240-457-5 | 16409-43-1 | 1-<3 | - | | No data available |
| D-Limonene | Present | 5989-27-5 | 1-<3 | R10 Xi;R38-43 N;R50-53 | Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | No data available |
| Decanal | 203-957-4 | 112-31-2 | 1-<3 | Xi;R38 R52/53 (EFFA) | Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412) | No data available |
| Citral | 226-394-6 | 5392-40-5 | 1-<3 | Xi; R38 R43 | Skin Irrit. 2 (H315) Skin Sens. 1 (H317) | No data available |
| Caryophyllene | 201-746-1 | 87-44-5 | 1-<3 | Xn;R65 | Asp. Tox. 1 (H304) | No data available |
| Camphene | 201-234-8 | 79-92-5 | 1-<3 | Xi;R36 N;R50/53 R10 (EFFA) | Eye Irrit. 2 (H319) Aquatic Chronic 4 (H413) | No data available |
| 5-Hepten-2-one, 6-methyl- | 203-816-7 | 110-93-0 | 1-<3 | Xn; R21** | | No data available |
| 2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)- | 260-709-8 | 57378-68-4 | 1-<3 | Xi;R43 | Skin Sens. 1 (H317) | No data available |

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

| | |
|-----------------------------------|--|
| Eye Contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| Ingestion | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
| Inhalation | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. |
| Protection of First-aiders | Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. |

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Itching, Rashes, Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use: Carbon dioxide (CO₂). Dry chemical. Foam. Water spray.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Flammable. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.) Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Dispose of contents/container to an approved waste disposal plant. Collect spillage.

6.3. Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wear personal protective equipment. Use spark-proof tools and explosion-proof equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical Name | EU | The United Kingdom | France | Spain | Germany |
|----------------------------------|---|--|---|--|---|
| Camphor 76-22-2 | | STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³ | VME: 2 ppm VME: 12 mg/m ³ | VLA-EC: 3 ppm VLA-EC: 19 mg/m ³ VLA-ED: 2 ppm VLA-ED: 13 mg/m ³ | MAK: 2 ppm MAK: 13 mg/m ³ Ceiling / Peak: 4 ppm Ceiling / Peak: 26 mg/m ³ |
| D-Limonene 5989-27-5 | | | TWA: 1000 mg/m ³ STEL: 1500 mg/m ³ | | TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin TWA: 20 ppm TWA: 110 mg/m ³ |
| Component | Italy | Portugal | The Netherlands | Finland | Denmark |
| Camphor 76-22-2 (15-<20) | | STEL: 3 ppm TWA: 2 ppm | | TWA: 0.3 ppm TWA: 1.9 mg/m ³ STEL: 0.9 ppm STEL: 5.7 mg/m ³ | TWA: 2 ppm TWA: 12 mg/m ³ |
| D-Limonene 5989-27-5 (1-<3) | | | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ | |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Camphor 76-22-2 | MAK: 2 ppm MAK: 13 mg/m ³ | MAK: 2 ppm MAK: 13 mg/m ³ | NDSch: 18 mg/m ³ NDS: 12 mg/m ³ | TWA: 2 ppm TWA: 12 mg/m ³ STEL: 4 ppm STEL: 18 mg/m ³ | TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 mg/m ³ |
| D-Limonene 5989-27-5 | | STEL: 40 ppm STEL: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³ | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ | |

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures

None under normal use conditions.

Personal protective equipment

Eye Protection

No special protective equipment required. If splashes are likely to occur, wear: Goggles

Skin and Body Protection

No protective equipment is needed under normal use conditions. Wear protective gloves/clothing

Hand Protection

Protective gloves.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|-----------------------|----------------|-------------------|-----------------|
| Physical State | Liquid | Appearance | Pale red to red |
| Odor | Characteristic | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|--|--------------------------|--------------------------|
| pH | No data available | None known |
| Melting Point/Range | No data available | None known |
| Boiling Point/Boiling Range | No data available | None known |
| Flash Point | 59 °C / 138.2 °F | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| | | |
| Vapor Pressure | 0.800000 | None known |
| Vapor Density | No data available | None known |
| Relative Density | 0.8950 - 0.8990 | None known |
| Water Solubility | No data available | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | No data available | None known |
| Flammable Properties | Flammable. | |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |

9.2. Other information

| | |
|----------------------------|--------------------------|
| VOC Content (%) | No information available |
| Flammability Limits in Air | No data available |

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

There is no data available for this product.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation. May cause sensitization by skin contact.

Ingestion

Harmful if swallowed. May be harmful if swallowed and enters airways

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|-----------------------|---|---------------------------------------|
| Dihydromyrcenol | = 3600 mg/kg (Rat) | > 5 g/kg (Rabbit) | |
| Linalool | 2790 mg/kg (Rat) | 5610 mg/kg (Rat) | - |
| Eucalyptol | = 2480 mg/kg (Rat) | | |
| Lynalyl acetate (ex bois de rose, synthetic) | = 13934 mg/kg (Rat) | | |
| n-Hexyl acetate | = 41500 µL/kg (Rat) | > 5 g/kg (Rabbit) | |
| 2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)- | = 4300 mg/kg (Rat) | | |
| 5-Hepten-2-one, 6-methyl- | = 3500 mg/kg (Rat) | > 5000 mg/kg (Rat) > 2 g/kg (Rat) | |
| Decanal | = 3730 µL/kg (Rat) | = 5040 µL/kg (Rabbit) | |
| Citral | = 4950 mg/kg (Rat) | = 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat) | |
| Camphene | > 5000 mg/kg (Rat) | > 2500 mg/kg (Rabbit) | = 17100 mg/m ³ (Rat) 1 h |
| D-Limonene | 5000 mg/kg (Rat) | >5000 mg/kg (Rabbit) | - |
| Geranyl acetate | = 6330 mg/kg (Rat) | | |
| Terpinolene | = 4390 mg/kg (Rat) | | |
| Gamma -Terpinene | = 3650 mg/kg (Rat) | | |
| p-Cymene | = 3669 mg/kg (Rat) | | |
| 2,6-Di-tert-butyl-p-cresol | 890 mg/kg (Rat) | - | - |

Sensitization

May cause an allergic skin reaction.

Mutagenic Effects

No information available.

Carcinogenic Effects

Contains no ingredient listed as a carcinogen

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------------------|--|---|--|--|
| Linalool | EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus) | LC50 96 h: 22-46 mg/L static (Leuciscus idus) | | EC50 48 h: = 20 mg/L (Daphnia magna) |
| Eucalyptol | | LC50 96 h: 95.4-109 mg/L flow-through (Pimephales promelas) | | |
| n-Hexyl acetate | | LC50 96 h: 3.7-4.4 mg/L flow-through (Pimephales promelas) | | |
| D-Limonene | | LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss) | | |
| Decanal | | | EC50 = 2.90 mg/L 25 min EC50 = 3.59 mg/L 15 min EC50 = 4.71 mg/L 5 min | |
| Citral | EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus) | LC50 96 h: 4.6-10 mg/L static (Leuciscus idus) | EC50 = 2100 mg/L 30 min | EC50 48 h: = 7 mg/L (Daphnia magna) |
| Camphene | EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus) | LC50 96 h: = 0.72 mg/L flow-through (Brachydanio rerio) LC50 96 h: = 150 mg/L static (Brachydanio rerio) | | EC50 48 h: = 22 mg/L (Daphnia magna) |
| 5-Hepten-2-one, 6-methyl- | EC50 96 h: = 101 mg/L (Desmodesmus subspicatus) EC50 72 h: = 191 mg/L (Desmodesmus subspicatus) | LC50 96 h: 83.3-88.2 mg/L flow-through (Pimephales promelas) | EC50 = 3000 mg/L 17 h | EC50 48 h: = 129 mg/L (Daphnia magna) |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

| Chemical Name | Log Pow |
|---------------------------|---------|
| Linalool | 3.1 |
| Citral | 2.76 |
| 5-Hepten-2-one, 6-methyl- | 2.07 |

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste from Residues / Unused Products | Dispose of in accordance with local regulations. |
| Contaminated Packaging | Do not re-use empty containers. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| Other Information | According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. |

Section 14. Transport information

IMDG/IMO

| | |
|---|--|
| 14.1. UN-Number | UN1169 |
| 14.2. Proper Shipping Name | Extracts, aromatic, liquid |
| 14.3. Hazard Class | 3 |
| 14.4. Packing Group | III |
| Description | UN1169, Extracts, aromatic, liquid, 3, III, Marine Pollutant (55°C c.c.) |
| 14.5. Marine Pollutant | This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO. Product is a marine pollutant according to the criteria set by IMDG/IMO. |
| Environmental hazard | yes |
| 14.6. Special Provisions | None. |
| EmS No. | F-E, S-D |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available. |

RID

| | |
|-----------------------------------|--|
| 14.1. UN-Number | UN1169 |
| 14.2. Proper Shipping Name | Extracts, aromatic, liquid |
| 14.3. Hazard Class | 3 |
| 14.4. Packing Group | III |
| Description | UN1169, Extracts, aromatic, liquid, 3, III |
| 14.5. Environmental hazard | yes |
| 14.6. Special Provisions | None. |
| Classification Code | F1 |

ADR

| | |
|-----------------------------------|---|
| 14.1. UN-Number | UN1169 |
| 14.2. Proper Shipping Name | Extracts, aromatic, liquid |
| 14.3. Hazard Class | 3 |
| ADR/RID-Labels | 3 |
| 14.4. Packing Group | III |
| Description | UN1169, Extracts, aromatic, liquid, 3, III, (D/E) |
| 14.5. Environmental hazard | yes |
| 14.6. Special Provisions | None. |
| Classification Code | F1 |
| Tunnel Restriction Code | (D/E) |

ICAO

| | |
|----------------------------|--|
| 14.1. UN-Number | UN1169 |
| 14.2. Proper shipping name | Extracts, aromatic, liquid |
| 14.3. Hazard Class | 3 |
| 14.4. Packing Group | III |
| Description | UN1169, Extracts, aromatic, liquid, 3, III |
| 14.5. Environmental hazard | yes |
| 14.6. Special Provisions | None. |

IATA

| | |
|----------------------------|--|
| 14.1. UN-Number | UN1169 |
| 14.2. Proper Shipping Name | Extracts, aromatic, liquid |
| 14.3. Hazard Class | 3 |
| 14.4. Packing Group | III |
| Description | UN1169, Extracts, aromatic, liquid, 3, III |
| 14.5. Environmental hazard | yes |
| 14.6. Special Provisions | None. |
| ERG Code | 3L |

Section 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

| | |
|---------------|----------------|
| TSCA | Complies |
| EINECS/ELINCS | Complies |
| DSL/NDSL | Complies |
| PICCS | Complies |
| ENCS | Not determined |
| IECSC | Complies |
| AICS | Complies |
| KECL | Not determined |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of R-phrases referred to under Sections 2 and 3**

R38 - Irritating to skin
R20 - Harmful by inhalation
R43 - May cause sensitization by skin contact
R21 - Harmful in contact with skin
R10 - Flammable
R36 - Irritating to eyes
R40 - Limited evidence of a carcinogenic effect

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/38 - Irritating to eyes and skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation
H412 - Harmful to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H317 - May cause an allergic skin reaction
H226 - Flammable liquid and vapor
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H319 - Causes serious eye irritation
H413 - May cause long lasting harmful effects to aquatic life
H304 - May be fatal if swallowed and enters airways

Key literature references and sources for data

www.ChemADVISOR.com/

| | |
|----------------------|----------------------|
| Issuing Date | 16-Aug-2013 |
| Revision Date | 27-Apr-2015 |
| Revision Note | New regional format. |

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet