



Crush Oxygen Refill

| | |
|---------------|--------------|
| Issue Date | : 20/09/2023 |
| Revision Date | : |
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HOSPECO

SAFETY DATA SHEET

Section 1. Identification

Product identifier Crush Oxygen Refill (7827/7861)

Contains D-Limonene, Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester

Contains Allyl caproate, Ethyl butyrate, Heptanoic acid, 2-propenyl ester, D-Limonene

Product Use Air freshener

Supplier HOSPECO PTY LTD

Address 17 Elizabeth St. Wetherill Park NSW 2164

Telephone 1300 46 77 32

Emergency Number 1800 638 556

Section 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

| | |
|--|------------|
| Acute Oral Toxicity | Category 4 |
| Acute Dermal Toxicity | Category 4 |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |
| Skin Sensitization | Category 1 |
| Specific Target Organ Toxicity (Repeated Exposure) | Category 2 |
| Acute Aquatic Toxicity | Category 2 |
| Chronic Aquatic Toxicity | Category 2 |

Physical Hazard

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

Label Elements



Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
Contains Coumarin

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

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P243 - Take precautionary measures against static discharge
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P273 - Avoid release to the environment

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
P322 - Specific measures (see supplemental first aid instructions on this label)
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
P332 + P313 - If skin irritation occurs: Get medical advice/ attention P362 - Take off contaminated clothing and wash before reuse 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
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

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

P370 + P378 - In case of fire: Use .? for extinction

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

P501 - Dispose of contents/container to .?

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

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

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P314 - Get medical advice/ attention if you feel unwell

P273 - Avoid release to the environment

P391 - Collect spillage

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

Other information

No information available.

Section 3. Composition/information on ingredients

Substances
Mixtures

| Chemical Name | EC-No | CAS-No | Weight % | EU - GHS Substance Classification | REACH No. |
|---|-----------|------------|----------|--|-------------------|
| Ethyl acetoacetate | 205-516-1 | 141-97-9 | 25-50 | | No data available |
| n-Hexyl acetate | 205-572-7 | 142-92-7 | 10-20 | EFFA: EH A2; FL 3; SCI 3 | No data available |
| Heptanoic acid, 2-propenyl ester | 205-527-1 | 142-19-8 | 10-20 | Acute Tox. Oral Cat. 3 (H301) Acute Tox. Dermal Cat. 3 (H311) Acute Tox. Inh. Cat. 3 (H331) Aquatic Acute Tox. Cat. 1 (H400) Aquatic Chronic Tox. Cat. 3 (412) | No data available |
| Heptanoic acid, ethyl ester | 203-382-9 | 106-30-9 | 5-10 | | No data available |
| D-Limonene | 227-813-5 | 5989-27-5 | 5-10 | Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | No data available |
| Acetic acid, (3-methylbutoxy)-, 2-propenyl ester | 266-803-5 | 67634-00-8 | 5-10 | Skin Irrit. 2 (H315) | No data available |
| Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester | 201-061-8 | 77-83-8 | 1-5 | Skin Sens. 1 (H317) | No data available |
| Ethyl butyrate | 203-306-4 | 105-54-4 | 1-5 | | No data available |
| Benzenemethanol, .alpha.-methyl-, acetate | 202-288-5 | 93-92-5 | 1-5 | | No data available |
| Allyl caproate | 204-642-4 | 123-68-2 | 1-5 | Aquatic Chronic 2 (H411) | No data available |
| Cyclohexanepropanoic acid, 2-propenyl ester | 220-292-5 | 2705-87-5 | 1-5 | EFFA: ATD 4; ATO 4; FL 4; SCI 2 | No data available |
| 2(3H)-Furanone, dihydro-5-pentyl- | 203-219-1 | 104-61-0 | 1-5 | | No data available |
| Coumarin | 202-086-7 | 91-64-5 | 0.1-1 | Skin Sens. 1 (H317) | No data available |

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

Section 4. First aid measures

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 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Ingestion | Call a POISON CENTER or doctor/physician if exposed or you feel unwell. Rinse mouth. |
| Inhalation | Get medical attention immediately if symptoms occur. |

Most important symptoms and effects, both acute and delayed Most

Important Symptoms/Effects Hives, Itching, Rashes, Irritation.

Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization by skin contact.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media

Use: Water spray, Carbon dioxide (CO₂), Foam.

Extinguishing media which must not be used for safety reasons

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

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors or dust may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

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

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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.

Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Use clean non-sparking tools to collect absorbed material. Sweep up and shovel into suitable containers for disposal.

Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

Precautions for Safe Handling

Handling

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

Control parameters

Exposure Limits

| Chemical Name | Finland | France | Germany | Gibraltar | Greece |
|----------------------|---|--|---|--------------------|--------|
| D-Limonene 5989-27-5 | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ | 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 Repr * Sen* | | |
| Chemical Name | The Netherlands | Norway | Poland | Portugal | Spain |
| D-Limonene 5989-27-5 | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ Sen* | | | |
| Chemical Name | Switzerland | | Sweden | The United Kingdom | |
| D-Limonene 5989-27-5 | STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³ Sen* | | | | |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level No information available.

Exposure controls

Engineering Measures

Showers Eyewash stations
Ventilation systems

Personal protective equipment

Eye Protection and Body Protection Hand Protection Respiratory Protection

Personal protection equipment should be chosen according to the CEN standards
Tightly fitting safety goggles. **Skin**
Wear suitable protective clothing.
Protective gloves.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection complying with EN 143.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------|-------------------|-----------------------------|
| Physical State | Liquid | Appearance | Pale yellow to lemon yellow |
| Odor | Fruity | | |

| <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 | 56 °C / 132.8 °F | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limits in Air | No data available | None known |
| Vapor Pressure | 0.934 Pa @ 20 °C | None known |
| Vapor Density | No data available. | None known |
| Relative Density | No data available | None known |
| Water Solubility | Insoluble in water. | None known |
| Solubility in other solvents | Practically insoluble | 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 |
| Decomposition Temperature | No data available | None known |
| Viscosity | No data available | None known |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |
| Other information | | |
| VOC Content (%) | No information available | |

Section 10. Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases.

Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological information**Information on toxicological effects Acute****Toxicity****Product Information****Inhalation**

None under normal use conditions.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation. May cause sensitization by skin contact. Harmful in contact with skin.

Ingestion

Harmful if swallowed. Ingestion may cause irritation to mucous membranes.

Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

| | |
|--------------------|----------------|
| LD50 Oral | 396.00 mg/kg |
| LD50 Dermal | 1,193.00 mg/kg |
| Inhalation | Not classified |

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|-----------------------|-------------------------|-----------------|
| Ethyl acetoacetate | = 3980 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | |
| Heptanoic acid, 2-propenyl ester | = 5000 mg/kg (Rat) | = 810 mg/kg (Rabbit) | |
| n-Hexyl acetate | = 41500 µL/kg (Rat) | > 5 g/kg (Rabbit) | |
| Heptanoic acid, ethyl ester | > 34640 mg/kg (Rat) | > 5 g/kg (Rabbit) | |
| D-Limonene | 5000 mg/kg (Rat) | >5000 mg/kg (Rabbit) | - |
| Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester | = 5470 mg/kg (Rat) | | |
| Benzenemethanol, .alpha.-methyl-, acetate | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | |
| Allyl caproate | = 218 mg/kg (Rat) | = 300 mg/kg (Rabbit) | |
| 2(3H)-Furanone, dihydro-5-pentyl- | = 6600 mg/kg (Rat) | > 5 g/kg (Rabbit) | |
| Ethyl butyrate | = 13 g/kg (Rat) | > 2 g/kg (Rabbit) | |
| Cyclohexanepropanoic acid, 2-propenyl ester | = 585 mg/kg (Rat) | | |
| Coumarin | - | > 2000 mg/kg (Rat) | |
| Allyl phenoxyacetate | = 475 µL/kg (Rat) | = 820 µL/kg (Rabbit) | |

Sensitization

May cause an allergic skin reaction.

Mutagenic Effects

No information available.

Carcinogenic Effects

Contains no ingredients above reportable quantities listed as a carcinogen.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

May cause disorder and damage to the: Liver

Aspiration Hazard

No information available.

Section 12. Ecological information

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) |
|--------------------|--|---|----------------------------|--|
| Ethyl acetoacetate | EC50 72 h: > 500 mg/L (Desmodesmus subspicatus) | LC50 96 h: = 290 mg/L (Oncorhynchus mykiss) LC50 96 h: = 298 mg/L (Pimephales promelas) LC50 96 h: = 307 mg/L (Lepomis macrochirus) | | EC50 48 h: = 646 mg/L (Daphnia magna) EC50 24 h: = 790 mg/L Static (Daphnia magna) |
| 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) | | |
| Allyl caproate | | LC50 96 h: = 30 mg/L (Carassius auratus) | | |

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

| Chemical Name | Log Pow |
|--------------------|---------|
| Ethyl acetoacetate | 0.27 |

Mobility in soil

Adsorbs on soil.

Results of PBT and vPvB assessment

No information available.

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 | Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. |
| 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 (54°C c.c.) |
| 14.5. Marine Pollutant | None |
| 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 |

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 Complies

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

15.1. Chemical Safety Assessment

No information available

Section 16. Other information

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

H226 - Flammable liquid and vapor

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H331 - Toxic if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting

effects H411 - Toxic to aquatic life with long lasting

effects H412 - Harmful to aquatic life with long lasting

effects

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. It is the user's responsibility to determine the safe conditions of use.