

Safety data sheet

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BASF Safety data sheet

Date / Revised: 16.08.2021

Product: **Fendona® Pressurised Insecticide**

Version: 2.0

(30660343/SDS_GEN_AU/EN)

Date of print 17.08.2021

1. Substance/preparation and manufacturer/supplier identification

Fendona® Pressurised Insecticide

Use: biocide

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Aspiration hazard: Cat. 1

Skin corrosion/irritation: Cat. 2

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Aerosols: Cat. 2

Label elements and precautionary statement:

Pictogram:



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Signal Word:

Danger

Hazard Statement:

H223	Flammable aerosol.
H315	Causes skin irritation.
H304	May be fatal if swallowed and enters airways.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H229	Pressurized container: May burst if heated.

Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/clothing/eye protection.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P264	Wash contaminated body parts thoroughly after handling.
P260	Do not breathe spray.

Precautionary Statements (Response):

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P391	Collect spillage.
P332 + P313	If skin irritation occurs: Get medical attention.
P331	Do NOT induce vomiting.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Storage):

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

| May cause paraesthesia. Contains: ALPHA-CYPERMETHRIN

| Contains: 97 % m/m, flammable components PROPAN-2-OL, KEROSENE (PETROLEUM)

3. Composition/information on ingredients

Chemical nature

Biocidal product, insecticide

Hazardous ingredients

alpha-cypermethrin

Content (W/W): 0.05 %
 CAS Number: 67375-30-8

Acute Tox.: Cat. 4 (Inhalation - dust)
 Acute Tox.: Cat. 3 (oral)
 Skin Corr./Irrit.: Cat. 3
 STOT SE: Cat. 3 (irr. to respiratory syst.)
 STOT RE (Nervous system): Cat. 2
 Aquatic Acute: Cat. 1
 Aquatic Chronic: Cat. 1
 M-factor acute: 10000
 M-factor chronic: 1000

Distillates (petroleum), hydrotreated light

Content (W/W): < 90 %
 CAS Number: 64742-47-8

Asp. Tox.: Cat. 1
 Skin Corr./Irrit.: Cat. 2
 STOT SE: Cat. 3 (drowsiness and dizziness)
 Aquatic Acute: Cat. 2
 Aquatic Chronic: Cat. 2

propan-2-ol

Content (W/W): < 20 %
 CAS Number: 67-63-0

Flam. Liq.: Cat. 2
 Acute Tox.: Cat. 5 (oral)
 Eye Dam./Irrit.: Cat. 2A
 STOT SE: Cat. 3 (drowsiness and dizziness)

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Specific hazards:

carbon monoxide, carbon dioxide, hydrogen bromide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, halogenated compounds

The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Avoid extreme heat.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from temperatures above: 50 °C

The packed product must be protected against exceeding the indicated temperature.

8. Exposure controls and personal protection

Components with occupational exposure limits

propan-2-ol, 67-63-0;

STEL value 400 ppm (ACGIHTLV)

TWA value 200 ppm (ACGIHTLV)

TWA value 983 mg/m³ ; 400 ppm (AU NOEL)

STEL value 1,230 mg/m³ ; 500 ppm (AU NOEL)

STEL value 1,230 mg/m³ ; 500 ppm (OEL (AU))

TWA value 983 mg/m³ ; 400 ppm (OEL (AU))

carbon dioxide, 124-38-9;

TWA value 5,000 ppm (ACGIHTLV)

STEL value 30,000 ppm (ACGIHTLV)

TWA value 9,000 mg/m³ ; 5,000 ppm (AU NOEL)

STEL value 54,000 mg/m³ ; 30,000 ppm (AU NOEL)

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

nitrile rubber (NBR) - 0.4 mm coating thickness

Eye protection:

Eye protection not required.

Body protection:
 Body protection not required.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form: aerosol
 Colour: pale yellow, clear
 Odour: of isopropanol
 Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 6 - 8
 (approx. 20 °C)

Melting point: -33 °C
 Information applies to the solvent.

Boiling point: 221 - 271 °C
 (1,013.25 hPa)
 Information applies to the solvent.

Flash point: 11.7 °C
 Information applies to the solvent.

Information on: propan-2-ol

Flash point: 11.7 °C
 Literature data.

Information on: Distillates (petroleum), hydrotreated light

Flash point: 73 °C (ASTM D93, closed cup)
 Literature data.

 Evaporation rate:
 not applicable

Flammability (solid/gas): Flammable.

Lower explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

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Ignition temperature:	247 °C Information applies to the solvent.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.
Vapour pressure:	approx. 9 Pa (ASTM D323) (20 °C) Information applies to the solvent.
Density:	approx. 0.79 g/cm ³ (approx. 20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	insoluble
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity, dynamic:	approx. 1.55 mPa.s (40 °C)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See SDS section 7 - Handling and storage.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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Substances to avoid:

strong bases, strong acids, strong oxidizing agents

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 425)

No mortality was observed.

LC50 rat (by inhalation): > 5.1 mg/l (OECD Guideline 403)

No mortality was observed.

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

No mortality was observed.

Irritation**Assessment of irritating effects:**

Not irritating to the eyes. Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin sensitization**Assessment of sensitization:**

May cause mild skin sensitization.

Experimental/calculated data:

Buehler test guinea pig: (similar to OECD guideline 406)

Germ cell mutagenicity**Assessment of mutagenicity:**

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity**Assessment of carcinogenicity:**

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Distillates (petroleum), hydrotreated light

Assessment of carcinogenicity:

Long-term exposure to highly irritating concentrations resulted in skin tumors in animals. A carcinogenic effect in humans can be excluded after brief skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity**Assessment of teratogenicity:**

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure):**Assessment of STOT single:**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**Assessment of repeated dose toxicity:**

The product has not been tested. The statement has been derived from the properties of the individual components.

| Information on: alpha-cypermethrin

| Assessment of repeated dose toxicity:

| Repeated oral exposure may affect certain organs. Damages the peripheral nerve system.

| Information on: propan-2-ol

| Assessment of repeated dose toxicity:

| No adverse effects were observed after repeated inhalative exposure in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses.

| Information on: carbon dioxide

| Assessment of repeated dose toxicity:

| Prolonged or repeated exposure by inhalation to high concentrations may cause circulatory insufficiency leading to headache, nausea, vomiting and potentially death.

Aspiration hazard

The product has not been tested. The statement has been derived from the properties of the individual components.

May also damage the lung at swallowing (aspiration hazard).

Other relevant toxicity information

Has a degreasing effect on skin.

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: alpha-cypermethrin

Toxicity to fish:

LC50 (96 h) 0.00093 mg/l, Pimephales promelas (OPP 72-1 (EPA-Guideline), Flow through.)

Information on: alpha-cypermethrin

Aquatic invertebrates:

EC50 (48 h) 12,6 ng/l, Chironomus riparius

Information on: alpha-cypermethrin

Aquatic plants:

EC50 (7 d) > 0.00139 mg/l (growth rate), Lemna gibba (OECD Guideline 201)

No observed effect concentration (7 d) > 0.00139 mg/l (growth rate), Lemna gibba (OECD guideline 221, static)

EC50 (72 h) > 0.027 mg/l (growth rate), Anabaena flos-aquae (OECD Guideline 201)

Information on: alpha-cypermethrin

Chronic toxicity to fish:

No observed effect concentration (34 d) 0,03 µg/L, Pimephales promelas (OPP 72-4 (EPA-Guideline), Flow through.)

Information on: alpha-cypermethrin

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0,03 µg/L, Daphnia magna (OPP 72-4 (EPA-Guideline), semistatic)

Mobility

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: alpha-cypermethrin

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: alpha-cypermethrin

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: alpha-cypermethrin

Bioaccumulation potential:

Bioconcentration factor: 155 - 910 (73 d), *Cyprinus carpio* (OECD Guideline 305 C)

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Emptied gas pressure vessels must not be opened.

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

ID number: UN 1950

Transport hazard class(es): 2.1, EHSM

Proper shipping name: AEROSOLS (contains PROPAN-2-OL, ALPHA-CYPERMETHRIN)

Further information

IERG Number:49

Sea transport

IMDG

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ID number: UN 1950
Transport hazard class(es): 2.1, EHSM
Marine pollutant: YES
Proper shipping name: AEROSOLS (contains PROPAN-2-OL, ALPHA-CYPERMETHRIN)

Air transport

IATA/ICAO

ID number: UN 1950
Transport hazard class(es): 2.1
Proper shipping name: AEROSOLS, FLAMMABLE

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

APVMA Approval No: 81056

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.