1. Substance/preparation and company identification

ALLEGRO®

Company:
BASF New Zealand Limited
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Fax: 09-633-0262
E-mail address: reception@basf-nz.co.nz

Emergency information:
National Poisons Centre 24 Hour Urgent Information: 0800 764 766
National Poisons Centre Non Urgent Information: 03 479 7248
BASF New Zealand Ltd 24 Hour Emergency Advice Number: 0800 944 955

2. Hazard identification

Possible risk of impaired fertility.
Possible risk of harm to the unborn child.
Possible risks of irreversible effects.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical nature
crop protection agents, fungicide, suspension concentrate (SC)
Contains: Epoxiconazole, Kresoxim-methyl

Hazardous ingredients
Epoxiconazole
Content (W/W): 11.5 %
CAS Number: 106325-08-0
INDEX-Number: 613-175-00-9

Kresoxim-methyl
Content (W/W): 11.5 %
CAS Number: 143390-89-0
INDEX-Number: 607-310-00-0

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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4. First-aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth immediately and then drink plenty of water, seek medical attention.

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

5. Fire-fighting measures

Suitable extinguishing media:
Water spray, foam, carbon dioxide, dry extinguishing media

Specific hazards:
Carbon monoxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
Collect separately contaminated extinguishing water; do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:
Use personal protective clothing.

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 large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.
7. Handling and storage

Handling
No special measures necessary if stored and handled correctly.

Protection against fire and explosion:
No special precautions necessary. The substance/product is non-combustible.

Storage
Segregate from foods and animal feeds.
Storage stability:
Storage duration: 60 Months
Protect from temperatures below: -10 °C
Protect from temperatures above: 40 °C

8. Exposure controls and personal protection

Personal protective equipment
Hand protection:
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm) and other

Eye protection:
Safety glasses with side-shields (frame goggles) (EN 166)

Body protection:
Protective suit

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or snuff taking at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical and chemical properties

Form: liquid
Colour: grey
Odour: faintly aromatic
pH value: 5.7 - 7.7 (20 °C) (measured with the undiluted substance)
Solidification temperature: approx. -3.6 °C
Density: 1.06 - 1.12 g/cm³ (20 °C)
Solubility in water: dispersible
Viscosity, dynamic: < 150 mPa (20 °C)

10. Stability and reactivity

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

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
No hazardous reactions known.
Hazardous decomposition products:
No hazardous decomposition products known.

11. Toxicological information

LD50/oral/rat: > 5,000 mg/kg
LC50/by inhalation/rat: > 5.3 mg/l / 4 h
LD50/dermal/rat: > 5,000 mg/kg
Primary skin irritation/rabbit: non-irritant
Primary irritations of the mucous membrane/rabbit: non-irritant
Sensitization/guinea pig: Non-sensitizing.

Further information:
Information on: Epiconazole
Experiences in humans:
Skin irritations described in isolated cases.

Additional information:
The product has not been tested.
The statement was derived from products of similar composition.
Misuse can be harmful to health.

12. Ecological information

Ecotoxicity
Toxicity to fish:
Oncorhynchus mykiss/LC50 (96 h): > 1.5 - < 2.2 mg/l
Aquatic invertebrates:
Daphnia magna/EC50 (48 h): 0.73 mg/l
Aquatic plants:
Pseudokirchneriella subcapitata/EC50 (72 h): 0.39 mg/l

Persistence and degradability
Elimination information
Evaluation: Not easily biodegradable (by OECD criteria).

Additional information
Other ecotoxicological advice:
The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:
Packs that cannot be cleaned should be disposed of in the same manner as the contents. Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.
Uncontaminated packaging may be treated as household waste.
14. Transport information

Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains kresoxim-methyl)
UN No.: 3082
DG Class: 9
Subsidiary Risk Class: NA
Packing Group: III
HAZCHEM: 2[Z]
Marine Pollutant: YES

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations

EEC Directives:
Xn Harmful.
R62 Possible risk of impaired fertility.
R40 (old) Possible risks of irreversible effects.
R63 Possible risk of harm to the unborn child.
S-phrase(s)
S2 Keep out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using, do not eat, drink or smoke.
S36/37 Wear suitable protective clothing and gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.

16. Other information

DISCLAIMER: The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.