

APOLLO 50 SC

R-10833.DPD

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : APOLLO 50 SC
Chemical formula : 3,6-bis(o-chlorophenyl)-1,2,4,5-tetrazine
Use : Acaricide
Company identification : Irvita Plant Protection
Pos Cabai Office Park, Unit 13,
P.O.Box 403
Curaçao Netherlands Antilles
Tel: 599-9-738-4096 / 738-4040
Fax: 738-4005
Emergency phone nr : 972-3-6106666 Subscription no. 36789 (Makhteshim)

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not hazardous.

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Clofentezine	: 500 g/l	74115-24-5	277-728-2	-----	

3. HAZARDS IDENTIFICATION

Human Health Hazards : Not hazardous
Environmental hazard : Harmful to aquatic organisms.

4. FIRST AID MEASURES

Effects and symptoms : Very slight skin and eye irritant.
First aid
Inhalation : Remove victim to fresh air. Keep victim warm and at rest. If you feel unwell, seek medical advice (show the label where possible) .
Ingestion : Wash out mouth with water . Do not induce vomiting. Do not make victim drink . Keep victim at rest. Consult a doctor.
Skin contact : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Consult a doctor in the event of any complaints.
Eye contact : Wash off with plenty of water Consult an eye specialist.
Note to physician : No specific antidote known. Treat symptomatically and give supportive therapy.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Not combustible. If involved in fire: dry chemical , water spray , foam , carbon dioxide , sand .
Special procedures : Do not breathe fumes. Move containers away from fire without risk . Cool exposed containers with water spray. Do not discharge into the environment .
Special exposure hazards : Emits toxic fumes
Protection against fire : Wear proper protective equipment. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact with liquid . Wear protective clothing . Remove contaminated clothing and shoes.
Environmental precautions : Do not allow to enter sewage system .
After spillage and/or leakage : Collect and contain as much free liquid as possible. Absorb in sand or other inert

APOLLO 50 SC

R-10833.DPD

6. ACCIDENTAL RELEASE MEASURES (continued)

material . Disposal according to the local legislation . Wash away remainder with plenty of water. Collect and contain as much free liquid as possible.

7. HANDLING AND STORAGE

Handling : Do not breathe gas/fumes/vapour/spray . Wash hands thoroughly after handling.
Storage : Sensitive to frost . Keep away from food, drink and animal feedingstuffs . Keep container tightly closed and in a well-ventilated place .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : Clofentezine: Not established
Personal protection
- **Respiratory protection** : None.
- **Skin protection** : Wear protective clothing and Rubber boots .
- **Hand protection** : Chemical resistant gloves. (PVC gloves or nitrile rubber)
- **Eye protection** : Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Colour : Red.
Odour : Odourless
pH value : 6-7.5
Density : 1.19 (at a temperature of 20 °C)
Solubility in water : Miscible.
Flash point [°C] : Not applicable
Flammability : Not flammable . Not combustible.
Explosion limits : Not explosive
Log P octanol : Clofentezine: 3.1

10. STABILITY AND REACTIVITY

Physico-chemical stability : Stable under normal conditions. Do not heat.
Hazardous decomposition products : None under normal conditions.
Hazardous reactions : None known.

11. TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : >5000
Rat dermal LD50 [mg/kg] : >4000
Dermal irritation (rabbit) : Slight irritant
Eyes irritation (rabbit) : Slight irritant
Sensitization : Guinea pig maximization test: Non sensitizer
Carcinogenicity : Not carcinogenic
Mutagenicity : Not mutagenic
Reproductive toxicity : Not teratogenic in animal experiments

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R-10833.DPD

12. ECOLOGICAL INFORMATION

Ecological effects information : No ecological information is known on the product.
96 Hour-LC50 - Bluegill sunfish [mg/l] : 200
96 H-LC50 - Rainbow trout [mg/l] : 20
48 H-LC50 - Daphnia magna [mg/l] : 200
72 H-EC50 - Algae [mg/l] : Acaristop 50 SC : >100
LD50 Birds [mg/kg] : Clofentazine: >3000 (Mallard duck)
Bees LD50 [µg/Bee] : Clofentazine : Low toxicity
Persistence and degradability : Clofentazine : Half-life time (t1/2) =30-135 days (soil)
Clofentazine : Half-life time (t1/2) =248 hours (pH 5.0) (water)
Clofentazine : Half-life time (t1/2) =34 hours (pH 7.0) (water)
Clofentazine : Half-life time (t1/2) =4 hours (pH 9.0) (water)
Mobility : Clofentazine : Not mobile in Soil.
Bioaccumulative potential : Clofentazine does not bioaccumulate in aquatic organisms
Clofentazine : BSF=248

13. DISPOSAL CONSIDERATIONS

Disposal : Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information : Not classified

15. REGULATORY INFORMATION

EU Classification : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations .
R Phrase(s) : R52 - Harmful to aquatic organisms.
S Phrase(s) : S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using, do not eat, drink or smoke.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

Print date : 25/9/2005

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