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

Product name : APOLLO

Chemical name of active

ingredient(s)

: 3,6-bis(o-chlorophenyl)-1,2,4,5-tetrazine.

**Code no.** : R-10833.DPD

**Manufacturer**: Makhteshim Chemical Works, Ltd.

P.O.B. 60, Beer Sheva 84100, Israel.

Fax no.: 972-8-6296848-(364)

Emergency telephone : 972-3-6106666

number Subscription no.: 36789 (MAKHTESHIM)

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation**: Preparation Information on hazardous ingredients \*

Common name CAS No. % EC Number Symbol R-Phrases

Clofentezine 74115-24-5 500 g/l 277-728-2 - -

\* Occupational Exposure Limit(s), if available, are listed in section 8

#### 3. HAZARDS IDENTIFICATION

**Human health hazards**: Not hazardous.

**Environmental hazards**: Harmful to aquatic organisms

## 4. FIRST-AID MEASURES

**Effects and symptoms**: Very slight skin and eye irritation.

First-aid measures

**Inhalation**: Remove victim to fresh air and keep 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 contaminated clothing. Wash off with plenty of water and soap.

Consult a doctor if irritation persists.

**Eye contact**: Wash out with plenty of water for at least 15 minutes. Consult an eye

specialist.

Notes to a physician : There is no specific antidote. Treat symptomatically and give supportive

therapy.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media** 

Suitable : Not combustible.

If involved in fire: : Dry chemical, water spray, foam, carbon dioxide,

sand.

**Date of issue:** 12/04/2003 **Version:** 001.00.00 **Page** 1 **of** 4

Hazardous thermal (de)composition products

Protection of fire-fighters

: Emits toxic fumes.

Protection of fire-fighters
Other information

: Wear protective clothing, self-contained breathing apparatus.

: Do not breathe fumes.

Move containers away from fire without risk. Cool exposed containers with

water spray. Prevent all discharge into the environment.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**: Avoid contact with spilled liquid. Wear protective clothing.

Remove contaminated clothing.

**Environmental precautions** 

: Do not allow to enter sewage system.

Methods for cleaning up

: Collect and contain as much free liquid as possible / Absorb in sand or other inert material. Disposal according to the local legislation. Wash away remainder with water and soap - Collect and contain as much free

liquid as possible for later disposal.

#### 7. HANDLING AND STORAGE

Handling : Do not breathe gas/fumes/vapour/spray. Wash hands after working with

the product.

Storage : Store at normal temperatures. 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

: No occupational exposure limits have been established.

Personal protective

equipment

**Respiratory system**: Not applicable.

**Skin and body**: Wear protective clothing, boots.

**Hands**: Chemical resistant gloves (PVC or nitrile rubber).

**Eyes**: Safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.

Colour : Red (magenta).
Odour : Odourless.

**Density** : 1.19 (at a temperature of 20°C).

Vapour density (air=1) : As for water.

Solubility in water : Miscible.

Octanol/water partition : log Pow = 3.1 (Clofentezine).

coefficient

pH : 6 - 7.5 Flash point : Not applicable.

Flammability : Not flammable. Not combustible.

**Explosion properties**: Not explosive.

#### 10. STABILITY AND REACTIVITY

**Stability**: Stable under normal conditions. Avoid heat.

Hazardous reactions : None known.

**Hazardous decomposition**: None known under conditions of normal use and storage.

products

# 11. TOXICOLOGICAL INFORMATION

**Sensitization**: Guinea pig maximization test: Non sensitizer.

Carcinogenicity : Not carcinogenic Mutagenicity : Not mutagenic.

**Reproduction toxicity**: Not teratogenic in animal experiments.

### 12. ECOLOGICAL INFORMATION

The data below are for the active ingredient;

Mobility: Immobile in soil.

**Persistence/degradability** : Soil  $DT_{50} = 30 - 135$  days.

Water DT<sub>50</sub> = 248 hours (pH 5.0), 34 hours (pH 7.0), 4 hours (pH 9.0).

**Bioaccumulative potential**: does not bioaccumulate in fish.

BCF = 248

**Ecotoxicity**: Birds: LD<sub>50</sub> > 3000 mg/kg (mallard duck).

Bees: Low toxicity.

For Apollo/Acaristop 50SC; Algae  $EC_{50} > 100$  mg/l (72 hours) Daphnia  $LC_{50}$ : = 200 mg/l (48 hours)

Fish:  $LC_{50} = 20$  mg/l (rainbow trout) (96 hours)  $LC_{50} = 200$  mg/l (bluegill sunfish) (96 hours).

**Date of issue:** 12/04/2003 **Version:** 001.00.00 **Page** 3 **of** 4

#### 13. DISPOSAL CONSIDERATIONS

<u>Methods of disposal</u>: Disposal according to the local legislation / Incinerate.

#### 14. TRANSPORT INFORMATION

Not classified.

### **National transport regulations**

No additional national transport regulations are known to the supplier

#### 15. REGULATORY INFORMATION

**Classification**: Not classified by the EU. Self classified according to the new DPD.

**Risk phrases**: R52: Harmful to aquatic organisms.

Safety phrases : 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.

Contains : 500 g/l Clofentezine.

#### 16. OTHER INFORMATION

Recommended use : Acaricide.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

#### **HISTORY**

 Date of printing
 : 12/04/2003

 Date previous issue
 : 12/04/2003

 Date of issue
 : 12/04/2003

 Version
 : 001.00.00

The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code

**Date of issue:** 12/04/2003 **Version:** 001.00.00 **Page** 4 **of** 4