



Chemical & Agricultural Industry, research s.a.

Material Safety Data Sheet

ACARIDOIL 13SL

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Identification of the Product

Designation	Insecticide -Miticide
Trade name	ACARIDOIL® 13 SL
Commonly used synonyms	Miticide-Insecticide against mites, white flies, aphids, psyllids and soft bodied insects.
Product Use	Miticide -Insecticide
CAS Number	Preparation - therefore not relevant
EINECS Number	Preparation - therefore not relevant
EINECS Name	Preparation - therefore not relevant
Molecular formula	Preparation - therefore not relevant

1.2 Company

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2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Nature of ingredients and concentration

COMPOSITION:	%
Potassium fatty acids	: 13,04 w/v
Inert ingredients (Vegetable oils, essential oils)	80 w/w

2.2 Classification

Not classed as hazardous material

3. HAZARDS IDENTIFICATION

3.1 Human health (See also Toxicology Information, section 11)

Skin Contact: Very mild skin irritation may occur upon contact with the undiluted product.

Eye Contact: Eye contact may cause irritation and discomfort.

Ingestion: There is no specific antidote if this product is ingested.

If a large amount has been ingested and emesis is inadequate, wash stomach. Treat symptomatically.

Inhalation: While this material has a low volatility, exposure to vapors is unlikely; however, overexposure to spray mist may result in minor irritation of the upper respiratory tract.

Long-term effects: No adverse effects are known for the active ingredient and inert materials.

3.2 Environment

While this material has a low degree of toxicity for animals, do not contaminate soil. Avoid discharge to natural waters. (See Section 12.)

3.3 Other

Fire, heating and detonation:

This material is not flammable but in case that is involved in fire emits toxic fumes on thermal decomposition

4. FIRST-AID MEASURES

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and shoes and launder before reuse.

Eye Contact: Flush immediately with plenty of water.

Seek medical advice if irritation persists

Ingestion: Do not induce vomiting. Give water or milk. In case that large quantity is ingested seek medical attention

Inhalation: Remove to fresh air.

5. FIRE-FIGHTING MEASURES

5.1 If product is not directly involved in the Fire

Use the best means available to extinguish the Fire.

5.2 If product is involved in the Fire

This material may burn, but will not ignite readily. If container is not properly cooled, it may explode in the heat of a fire. Vapors are heavier than air and may accumulate in low areas. When strongly heated it can melt and decompose giving off toxic fumes.

Unusual Fire and Explosion Hazards: none

Extinguishing Media: Use foam, carbon dioxide, or dry chemical to extinguish fires.

Special Firefighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

6. ACCIDENTAL RELEASE MEASURES

SPILLAGES: Ensure suitable personal protection during removal of spillages. This means wearing a facemask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Large spillages should be dammed-off and pumped into containers; soak up remainder with absorbent material and dispose of in accordance with local regulations. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer!

UNCONTROLLED DISCHARGE: Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulations.

7. HANDLING AND STORAGE

7.1 Handling

Read the label before use. Avoid all contact by mouth. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. Do not contaminate water, food, or feeds by storage or disposal. Avoid accidental spillage.

7.2 Storage

Store in cool, dry, well ventilated, secure area out of reach of children and animals. Keep in original containers, tightly closed. Keep away from ignition sources. Keep away from food, drink and animal feeding stuffs, protect from frost. STORAGE LIFE: 2 years minimum.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Occupational exposure limits No specific official limits.

8.2 Precautionary and engineering measures

Avoid high mists concentration and provide ventilation where necessary.

8.3 Personal Protection

- Wear suitable gloves when handling the product over long periods (neoprene, PVC or equivalent).
- Wear goggles or safety glasses
- After handling product, wash hands and observe good hygiene practice.
- If vapors present, use approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid solution
Colour	Light brown
Odor	Oily slightly soapy
Melting point	Not applicable
Boiling point	Not applicable
Explosive properties	Not explosive as per EEC test A14 (67/548/EEC).
Oxidizing properties	Not classed as an oxidizing material according to Directive 88/379/EEC.
Specific gravity	0,93 Kg/dm ³ .

10. STABILITY AND REACTIVITY

10.1 Stability

Stable in air (in closed bottles: up to 2 years, opened bottles: at least 2 years)

10.2 Conditions to avoid

Contamination by incompatible materials.
Intense heat and direct sunlight

10.3 Materials to avoid: Oxidizers

10.4 Hazardous polymerization: Will not occur

10.5 Hazardous Decomposition Products: Will not occur

11. TOXICOLOGICAL INFORMATION

11.1 General: See Section 3.1.

11.2 Toxicity class Risk phrases: non
KEEP OUT OF REACH OF CHILDREN
AVOID CONTACT WITH EYES

12. ECOLOGICAL INFORMATION

12.1 Mobility

Potential for mobility in soils is very low. No other data available.

12.2 Persistence/Degradability

Expected to be fast biodegradable

12.3 Bio-accumulation

The product does not show any bioaccumulation phenomena.

12.4 Ecotoxicity

ANIMALS: Very low toxic for animals and men

Acaridoil is used for foliar application and is expected to degrade quickly in organic substances that do not pose any threat for the environment.

Acaridoil is not harmful for aquatic species.

BEES: Not toxic to bees.

13. DISPOSAL CONSIDERATIONS

13.1 General

Large amounts should be incinerated at high temperature in a unit with effluent gas scrubbing. When no incinerator is available, bury in an approved dump, or in an area where there is no risk of contamination of surface or groundwater. Before burying, liberally mix with sodium carbonate crystals, to help neutralize the product, and with soil rich in organic matter. Comply with any local legislation.

14. TRANSPORT INFORMATION

14.1 UN classification

Considered non-hazardous material according to the UN Orange Book and following international transport codes: IATA(air), RID (rail), ADR (road) and IMDG (sea).

DOT Classification:

Not Applicable; No Label or Placard Required

B/L Freight Classification

Insecticides or Fungicides; Agricultural, N.O.S.

International Transportation

Not Applicable

15. REGULATORY INFORMATION

15.1 EEC Directives

Agricultural Pesticides Directive 91/414/EEC

16. OTHER INFORMATION

The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by the Company for the consequences of its use or misuse in any particular circumstances.

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