



Material Safety Data Sheet

TARSIP 20 EC

Manufacturer:

TARSIS LTD P.O. BOX 2630 PETHACH TIKVA 4912502
TEL: 972-3-9223785
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Updated:05/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TARSIP 20 EC

Product Type: Insecticide

Supplier: TARSIS LTD P.O. BOX 10156 PETHACH TIKVA
Tel 972-3-9223785

Emergency Telephone Number: Mr. Shevach Tenzer , tel. 972-52-3893739

2. HAZARD IDENTIFICATION

Hazard Statements

H226 – Flammable Liquid

H302- Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H332 – Harmful if inhaled

H411 –Toxic to aquatic life with long lasting effects

H314 - Causes substantial but temporary eye injury

H312 - Harmful if absorbed through skin

**Precautionary Statements**

P280 – Wear protective gloves, clothing eye and face protection

P301+P330 – If swallowed immediately call a physician or a poison information center

P331 – If swallowed : do not induce vomiting

P303+P361+P352 – If on skin or hair:Remove immediately all contaminated clothing. Wash with plenty of soap and water

P501- Dispose of container or waste as hazardous material

P270 – Do not eat , drink or smoke when using this product.

P271 – Use only outdoor or in a well-ventilated area

P273 – Avoid release to the environment

P210 – Keep away from sparks, open flame or hot surfaces. Do not smoke

P242 – Use only non sparking tools

P243 – Take precautionary measures against static discharge



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P363 – Wash contaminated clothing before reuse

P304+P340 – If inhaled : take victim to fresh air and keep him at rest in a comfortable breathing position.

P403+P235 – Store in a well ventilated place. Keep cool

3. COMPOSITION and INFORMATION on INGREDIENTS

Ingredient Name	CAS reg. no.	Content g/l
Cypermethrin	52315-07-8	200
Other ingredients	Balance	

4. FIRST AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

INGESTION:

Rinse mouth thoroughly with water and drink 1 – 2 glasses of water. Do not induce vomiting . Seek medical advice immediately and show product label to the physician. Contact the poison information center.

EYE CONTACT:

Hold eyelids open and wash eyes with plenty of water for at least 15 minutes. Seek medical advice immediately and show product label to the physician.

SKIN CONTACT:

Remove contaminated clothing and wash skin with soap and plenty of water. Obtain medical advice

INHALATION:

Remove the victim immediately to fresh air. Keep at rest. Obtain medical advice

Note to Physician:

Cypermethrin is a synthetic pyrethroid insecticide. It is a moderately toxic material by dermal absorption or ingestion. Cypermethrin acts primarily on the basal ganglia of the central nervous system, causing repetitive nerve action through prolongation of sodium permeability during the recovery phase of the action of potential neurons.

Treatment must be symptomatic. In case of severe intoxication, therapy should include sedative and anticonvulsant (e.g., barbiturates, diazepam, paraldehyde, etc.). If large quantity has been swallowed unless the patient is vomiting gastric lavage should be performed using 5% Sodium Bicarbonate solution, followed by powdered activated charcoal.



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Inducing vomiting as first aid for this slightly toxic substance may result in increased risk of chemical pneumonia or pulmonary oedema caused by the aspiration the hydrocarbon solvent.

5. FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MEDIA:

Carbon dioxide. Dry chemical. Alcohol Foam. Do not use water jet

EXTINGUISHING MEDIA HAZARDS:

If involved in a fire , it can emit toxic fumes, CO₂,CN, NO_xCL

HAZARD CODE: 2W

PROTECTION OF FIRE FIGHTERS:

Wear protective clothing and eye protection, and use self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Avoid contact with skin and eyes.

Wear protective clothing and eye protection. Remove contaminated clothing , wash skin area with soap and water and launder clothing before reuse or dispose of properly.

PRECAUTIONS FOR THE ENVIRONMENT:

Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

CLEANUP METHODS:

Small spillage: absorb on inert absorbing material such as sand or clay. Shovel up into covered containers for disposal. Large spillage: Should be dammed-off and pumped into containers: soak up remainder with absorbent material and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING:

Good personal hygiene procedures must be practiced. Do not consume or store food in the work area.

Before eating, drinking or smoking and after work, wash hands and exposed skin using liquid detergent

STORAGE:

Place in a locked cool, dry and ventilated areas, store only in closed, properly-labeled containers, in area designed specifically for pesticides. Keep out of the reach of children and unauthorized persons. Keep away from excessive heat , sources of ignition and open flame. Properly keep away from food, drink and animal feeding stuffs.



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Do not store with seeds, fertilizers or foodstuffs.

Protect from direct sunlight and refrain from temperatures above 40°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION:

RESPIRATORY PROTECTION:

Half mask respirator (EN140) plus A1P2 class filter to (EN141) minimum.

HAND & SKIN PROTECTION:

Wear protective clothing: long sleeved shirts and pants, hat, rubber boots with socks, protective goggles and chemical resistant gloves should be needed like neoprene or PVC/synthetic rubber.

EYE/FACE PROTECTION:

Wear protective face shield (EN 166 3F)

GENERAL PRECAUTIONS:

Clothing must be laundered after each day's use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear light brown liquid. Forms a white emulsion on dilution with water
Odor:	Highly aromatic hydrocarbon. Irritating vapor
Ph	N/A
Specific gravity:	0.934
Vapour pressure:	3.8×10^{-8} mm Hg(cypermethrin technical) at 25°C
Kinematic Viscosity:	4.7×10^{-6} m ² /sec
Flash point –	53°C
Solubility (at 25°C)	Soluble in acetone, chloroform, cyclohexanone, xylene (>450 g/L) DMF, ethanol (337 g/L), hexane (103 g/L)
Partition coefficient in n-octanol/water:	K_{ow} (logP)= 6.6 (technical)

10. STABILITY AND REACTIVITY

REACTIVITY: Flammable but not reactive

STABILITY: Stable in neutral and weakly acidic media. Stable in light

INCOMPATIBLE MATERIALS: Strong alkaline compounds or oxidising compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CN, NO_x, Cl

11. TOXICOLOGICAL INFORMATION



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ACUTE TOXICITY

ACUTE ORAL:	LD ₅₀ for rats is 1015 mg/kg
EYE IRRITATION:	irritant
INHALATION:	LC ₅₀ for rats 2.5 mg/L (4 hr) Irritating to skin and eyes
ACUTE DERMAL:	LD ₅₀ for rabbit is >1600 mg/kg
SKIN IRRITATION:	for rabbit, Slightly irritating to skin.
SKIN SENSITIZATION:	for guinea pig – mild sensitiser
ADI:	0.05 mg/kg b.w./day

12. ECOLOGICAL INFORMATION

TOXIC TO AQUATIC INVERTEBRATES. HIGHLY TOXIC TO INSECTS. HARMFUL TO BIRDS. NON TOXIC TO FISH, AQUATIC PLANTS, EARTHWORMS & SOIL MICROORGANISMS.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark

Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

Highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. 24h LD₅₀ (oral) 0.035 µg/bee (topical) 0.02 µg/bee.

Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Effects on fish:

Toxic to fish

LC₅₀ (96H) for Rainbow trout 0.69. Sheepshead minnow 2.37 g/l.

Daphnia EC₅₀ (48H) 0.15 µg/l.

Exposure potential to fish should be minimal under normal agricultural usage according to the a/m reasons.

Effects on birds:

Practically non toxic to birds.

Acute oral LD₅₀ for mallard ducks >10,000, chickens >2000mg/kg.

No adverse reproductive effects occurred in mallards or bobwhite quail given 50ppm, the highest dose tested.

Cypermethrin degrades relatively quickly in soils. The main degradative route being rapid hydrolysis of the ester linkage to 3-phenoxy-benzoic acid and cyclo-propane-carboxylic acid derivatives and further degradation (at a slower rate) to carbon dioxide.

Cypermethrin is immobile in sand, sandy loam, clay loam and organic soils as it shows a strong affinity to soil.

13. DISPOSAL CONSIDERATION



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Do not contaminate ponds, waterways or ditches with chemical or used container.

The preferred option is to send to local licensed disposals.

Any disposal practice must be in compliance with all local and national laws and regulations.

14. TRANSPORT INFORMATION

LIQUID, TOXIC, FLAMMABLE, 6.1,

DG Class 6.1

TRANSPORT HAZARD CLASS - 3

UN NUMBER - 3082

Hazchem Code 2W

Packaging Method 3.8.6

Packing Group III

IMO MARINE POLLUTANT

15. REGULATORY INFORMATION

This product is registered under the PPIS registration:

Registration No. 806/ppis/1984

Approved users of this product are people who have been instructed with the product properties and risks, are familiar with the product label and behave accordingly.

16. OTHER INFORMATION

The information provided in this safety data sheet is correct to the best knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with other materials.

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