

Material Safety Data Sheet

1. Identification of the substance/preparation and company/undertaking

Product

Trade Name: **Cypermethrin 10% EC GOLD**

Recommended Uses: Agricultural/Horticultural Insecticide

Manufacturer / Supplier: Servem Limited
Address: Maxboley, Duncormick
Co. Wexford, Ireland

Telephone Number: +353-51-563530
Fax Number: +353-51-563531
E-mail: info@servemlimited.com
Emergency Telephone No.: 01-8379964/66 (Poisons Information Centre, Beaumont Hospital, Beaumont, Dublin 9, Ireland)

2. Composition/Information on Ingredients

Component	CAS Registry No.	EINECS ELINCS No.	Conc. g/L	R phrase*	Symbol
Cypermethrin (R,S)- α -cyano-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (IUPAC)	52315-07-8	257-842-9	100	R20/22, R37, R50/53	Xn, N
Solvent aromatic naphtha	64742-95-6	265-199-0	>800	R10, R37, R65, R66, R67, R51/53	Xn, N

* Reference Section 16.

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3. Hazards Identification

Flammable. Harmful if swallowed. Harmful - may cause lung damage if swallowed. Irritating to respiratory system.

Repeated exposure may cause skin dryness and cracking. Vapors may cause drowsiness or dizziness. Very toxic to aquatic organisms may cause long term adverse effects in the Environment.

4. First Aid Measures

Skin Contact: Remove contaminated clothing. Wash the affected area immediately with soap and water. If skin irritation persists, call a physician.

Eye Contact: Rinse out with plenty of water with the eyelid held wide open for at least 15 minutes. Seek medical attention.

Inhalation: Remove the patient to fresh air. If breathing has stopped perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

Ingestion: Don't induce vomiting. Get medical attention immediately. Rinse out mouth with water. Keep patient warm and rested.

Further Information: Guide to doctor: Treat symptomatically.

For further advice on treatment contact:
The UK National Poisons Control Information Service (NPIS)
Centre (Emergency Telephone No.: 0870-600-6266) or the
Poisons Information Centre, Beaumont Hospital, Beaumont,
Dublin 9, Ireland (Telephone 01-8379964/66).

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5. Fire-fighting Measures

Suitable extinguishing media: Water spray- is careful to avoid water entering drains or watercourses. Carbon Dioxide. Alcohol resistant foam. Dry chemical.

Extinguishing media which must not be used for safety Reasons:

High Volume Water jet

Special protective Equipment for fire-fighting:

Wear self-contained breathing apparatus and protective clothing (chemical protection suit, boots and plastic or rubber gloves)

Other Information:

Contain fire-fighting water with sand or some such bonding material. This product is flammable; it may form flammable vapor-air mixture.

6. Accidental Release Measures

Personal precautionary measures:

Wear the personal protective equipment outlined in section 8 below. Avoid contact with skin.

Environmental-protection measures:

Keep the area isolated and do not allow contamination to enter drains or waterways. Spillage or uncontrolled discharges into watercourses must be alerted to the National Rivers Authority. If the product has entered a watercourse or sewer, or grossly contaminated soil or vegetation in a public place, advise police.

Procedures for cleaning/absorption:

Contain/absorb the spillage with a suitable inert absorbent material or sand which should then be transfer to secure containers and sent for disposal. After cleaning flush away traces with water.

Further Information:

Remove sources of ignition.

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7. Handling and Storage

Handling: Keep away from sources of ignition. Handle and open container with care. Don't smoke, eat or drink while handling this material. Wear personal protective clothing. Wash hands before eating, drinking or smoking.

Storage: Store in a cool area in the original containers, access should only be for authorized persons. Store in a well-ventilated area away from sources of ignition. Keep in a fireproof place.

8. Exposure Controls/Personal Protection

Occupational exposure limits:

No exposure limits have been determined.

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas

Personal protective equipment:

Eye protection: Wear safety goggles or safety glasses conforming to BS 2092.

Hand protection: Wear solvent resistant gloves (Nitrile/Butyl rubber).

Respiratory protection: If the ventilation is not adequate wear an approved respirator with combination filter for vapor/particulate.

Skin and body protection: Heavy duty closed work shoes, protective overalls ensuring arms and legs are covered.

Industrial Hygiene:

Do not breathe spray mist. Immediately change contaminated clothing, dispose of if decontamination is not feasible. Keep the work area clean and wash hands before finishing work. When using do not eat, drink or smoke.

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9. Physical and Chemical Properties

Appearance:	Liquid
Color:	Yellow
Odour:	Aromatic
pH:	5.3
Melting point/melting point range	Not applicable
Boiling point/boiling point range:	>150 °C
Flash Point	44.2°C
Flammability:	Flammable
Auto flammability	465 ± 5°C
Explosive properties:	
Lower limit	0.1 vol. %
Upper limit	7.0 vol %
Oxidizing properties	None
Vapor pressure	0.2 – 0.3 kPa (20°C)
Relative density	0.912g/ml @ 20°C
Solubility	
Water solubility	Emulsifies in water
Viscosity	1.24mm ² /s @ 40°C
Vapor Density	No data available

10. Stability and Reactivity

Stability:	No decomposition if stored and applied as directed
Conditions to avoid:	Temperature extremes. Heat can release hazardous gases. Protect from frost.
Materials to avoid:	Avoid open flame, sparks and other sources of ignition. Avoid overheating.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide and nitrogen oxides (NO _x).

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11. Toxicological Information

Acute toxicity: LD₅₀/oral/ rat (mg/Kg): 1850mg/kg
LD₅₀/dermal/ rat (mg/Kg): 2000mg/kg
LC₅₀/oral/ rat 4hr: 3.37mg/l air.

Irritation: Irritating to the respiratory system.

Sensitization: Not a skin sensitizer.

12. Ecological Information

Eco toxicity: LC50 (96h) fish <1mg/L.
EC50 (48h) daphnia magna <1mg/L.

Other toxicity: Toxic to fish and wildlife.

13. Disposal Considerations

Waste from residues/unused products: Dispose of product and packaging at a hazardous or special waste collection point. Dispose in a safe manner in accordance with local and national regulations.

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14. Transport Information

	UN proper shipping name:	Pyrethroid pesticide liquid, flammable, toxic, flash point not less than 23 ⁰ C (contains Cypermethrin 10%)
	UN Number:	3351
	<u>Road/Railway</u>	
	Proper shipping name:	Pyrethroid pesticide liquid, flammable, toxic, flash point not less than 23 ⁰ C (contains Cypermethrin 10%).
	UN Number:	3351
>	Class:	6.1 & 3
	Packaging group:	III
	<u>Inland waterways</u>	
	Proper shipping name:	Pyrethroid pesticide liquid, flammable, toxic, flash point not less than 23 ⁰ C Cypermethrin 10 %).
	UN Number:	3351
>	Class:	6.1 & 3
	<u>Sea</u>	
	Proper shipping name:	Pyrethroid pesticide liquid, flammable, toxic, flash point not less than 23 ⁰ C (contains Cypermethrin 10%).
	UN Number:	3351
>	Class:	6.1 & 3
	Packaging group:	III
	Marine pollutant;	P
	<u>Air</u>	
	Proper shipping name:	Pyrethroid pesticide liquid, flammable, toxic, flash point not less than 23 ⁰ C (contains Cypermethrin 10%).
	UN Number:	3351
>	Class:	6.1 & 3
	Packaging group:	III

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15. Regulatory Information

Classification in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3.

Hazardous components which must be listed on the label:

Cypermethrin
Solvent aromatic naphtha

Symbol(s):	Xn N	Harmful Dangerous for the environment
R phrases:	R10 R22 R37 R50/53 R65 R66 R67	Flammable Harmful if swallowed Irritating to the respiratory system Very toxic to aquatic organisms may cause long term effects in the aquatic environment. Harmful: may cause lung damage is swallowed Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.
S phrases:	S2 S13 S20/21 S23 S36/37 S45 S61	Keep out of the reach of children Keep away from food, drink and animal feeding stuffs When using do not eat, drink or smoke. Do not breathe spray. Wear suitable protective clothing and gloves. In case of accident or feel unwell, seek medical advice immediately (show the label where possible) Avoid release to the environment. Refer to special instructions/Safety data sheets.

Designated name: Cypermethrin (contains Cypermethrin 100g/l)

This product is covered by the Control of Pesticides Regulations, 1986, and is labeled accordingly (MAPP 14289).

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16. Other Information

Recommended Uses: Public hygiene Insecticide

Recommended Restrictions: Information about special precautions needed for bulk handling is available on request. When used in a mixture read the labels and safety data sheets of all components.

Further information:

First Revision Date: 14th July 2019

Second Revision Date: 15th October 2020

Disclaimer:

The information contained in this MSDS is designed to give general health and safety guidance on the storage and transport of the substance/preparation to which it relates. Requirements arising from a Risk Assessment of the substance/preparation in a particular working environment should take precedence over any of the guidance contained in this MSDS where there is a Difference in the information given. The information contained in this MSDS is accurate at the date of publication and will be updated as and when appropriate. Liability will not be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this MSDS.

Compiled in accordance with EC Directive 91/155/EEC and subsequent amendments EC Directives 93/112/EEC and 2001/58/EC.