

- ✓ Outstanding immediate and residual pest control for up to six months
- ✓ Broad-spectrum control of crawling and flying insects
- ✓ Can be applied on a wide range of surfaces
- ✓ Easy dosing, non-staining, low odor

SPECIFICATIONS

- **Composition:**
 - 90 g/l Cypermethrin (CAS n°52315-07-8)
- **Formulation:** Capsule suspension.
- **User:** PCO.
- **Targets:** For the control of flying insects (Mosquitoes, flies, moths) and crawling insects (cockroaches, ants, fleas, spider, bed bug and mites).
- **Use:** In public hygiene areas including offices, shops, factories, museums, cinemas, hospitals (not in occupied wards), military facilities, ships and waste storage areas.

DOSES AND INSTRUCTIONS

- **Dose rate:** To protect 100m²: 25 ml in 1 liter of water to apply on 20 m² (area actually treated).
- **Instruction of use:** : Apply the product where on insects path and/or in nooks, crannies, cracks, crevices, along baseboard, behind household appliances:
 - For cockroaches: all hot, humid or dark places favorable to roaches proliferation.
 - For Ticks and fleas: on carpets, around Pets' bed, in broom closet and all cleaning devices which have been in contact with pests.
 - For mosquitoes: around the sources of light, under beds, on curtains and net curtains.
 - For Flies: around the window and doors.
 - For House spider: in cracks and crevices and around windows.
 - For cloth and food moths: Spray around and inside of closets, door frames, doors and drawers after removing food and cloth (Wait until complete drying before filling cupboard) - Don't put food in direct contact with treated surfaces)
 - For Bed Bug: Spray around and under the bed and along the baseboards near the bed. After removing the drawers from the furniture, the inside of the cabinetry should be sprayed as well as the bottom and sides of the drawers. If needed the clothes in the drawers should be removed and laundered. Spray around and inside of closets, door frames and doors. Spray molding at the top and bottom of the room and around windows. Spray drawers' joints, both top and bottom. Spray dressers

Usable as a cracks and crevices treatment in food handling areas including, canteens, restaurants, food factories and ship's galleys.

Usable in domestic premises – including kitchens, as a cracks and crevices treatment only. Not for use on soft furnishings, bedding or mattresses

Usable for material, transport and premise in contact with packaged foodstuff from vegetal or animal origin.

Usable as treatment for material, transport and premise used for storage and transport of garbage.

from below and where dressers are in contact with the floor. Spray where the bed is in contact with the floor, spray chairs and underneath chairs. Spray all baseboards, loose plaster, behind bed frames and headboards, beneath beds and furniture, and bed base and bed frames. Do not apply to furniture surfaces or mattresses where people will be laying or sitting. Product is not adapted to treat infested bedding.

- **Onset of the biocidal effect:** Few minutes after application.
- **Residual effect:** After contact with treated surfaces 100% mortality:
 - In less than 1 hour up to 3 months after application.
 - In less than 24 hours between 3 and 6 months after application.
- **Application frequency:**
 - Curative treatment: one direct application on the insects or on their path.
 - Preventive treatment: one application every 3 to 6 months.
 - If the treated surfaces are cleaned or exposed to weather (entrance porches, terraces ...): renew the application, if necessary every month.
 - 6 applications per year maximum.
- **Cleaning instructions:** Do not clean the treated surfaces: to stop the biocidal effect, clean with a detergent and hot water.
- **Period of use:** All year around.

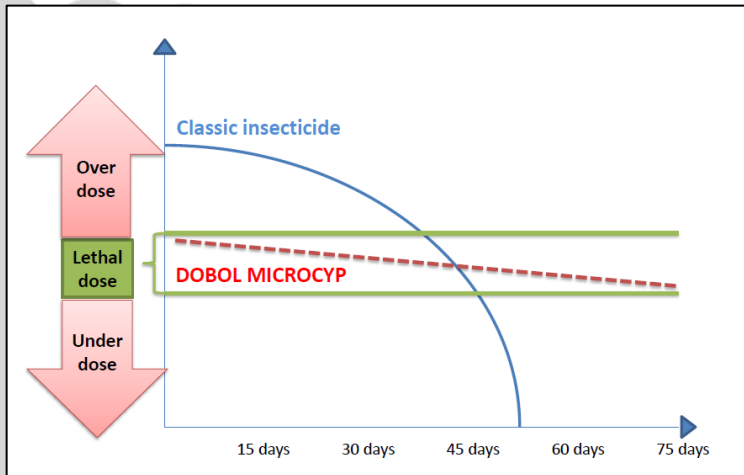


MODE OF ACTION

The insecticidal active ingredient is enclosed in polymers, impermeable to aqueous medium, which become porous while drying, releasing the insecticide in a regular and prolonged way.

The aqueous solution of Dobol MICROCYP contains millions of microcapsules in suspension (1 to 2 million microcapsules per ml.) containing the insecticidal active ingredient.

Microencapsulation increases the duration of the insecticidal action, regulates the action that no longer depends on the treated support (PH, porosity ...), climatic conditions or brightness. The microcapsules are transported by insects and contaminate the colony during social exchanges.



TEST RESULTS

DOBOL MICROCYP 25 ml/1L/20 m ² (100 m ² protected)	Non porous surfaces				Porous surfaces			
	T0	T+30 days	T+90 days	T+180 days	T0	T+30 days	T+90 days	T+180 days
Dose 50ml/m ²								
<i>Blattella germanica</i>	< 1h	< 1h	< 1h	< 4h	< 1h	< 1h	< 1h	< 4h
<i>Blatta orientalis</i>	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
<i>Periplaneta americana</i>	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
<i>Musca domestica</i>	< 1h	< 1h	< 1h	< 4h	< 1h	< 1h	< 1h	< 4h
<i>Culex pipiens</i> (mosquito)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
A.ae = <i>Aedes aegypti</i> (mosquito)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
A.al = <i>Aedes albopictus</i> (tiger mosquito)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
D.p = <i>Dermatophagoides pteronyssinus</i> (dust mites)	< 1h	< 1h	< 1h	< 24h	< 2h	< 2h	< 4h	< 24h
D.f = <i>Dermatophagoides farinae</i>	< 1h	< 1h	< 1h	< 24h	< 2h	< 2h	< 4h	< 24h
E.k = <i>Ephestia kuehniella</i> (food moth)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 1h	< 24h
T.b = <i>Tineola bisselliella</i> (clothe moth)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 1h	< 24h
C.f Ad = <i>Ctenicephalides felis</i> Adults (flea)	< 1h	< 1h	< 1h	< 24h	< 1h	< 8h	< 2h	< 24h
C.f L = <i>Ctenocephalides felis</i> Larvae (flea)	< 1h	< 1h	< 2h	< 24h	< 2h	< 4h	< 8h	< 24h
T.d = <i>Tegeneraria doemstica</i> (house spider)	< 1h	< 2h	< 4h	< 24h	< 2h	< 2h	< 8h	< 24h
L.n = <i>Lasius niger</i> (black ant)	< 1h	< 1h	< 1h	< 24h	< 1h	< 1h	< 2h	< 24h
C.l = <i>Cimex lectularius</i> (bed bug)	< 1h	< 2h	< 2h	< 24h	< 1h	< 4h	< 4h	< 24h



TECHNICAL SPECIFICATIONS

Parameters	Normal Value	Reference/method
Aspect	White microcapsules suspension	
AI tolerance cypermethrin	81-99 g/kg	FAO
Density	1,03-1,06 g/ml	A3 Method and OECD No. 109
pH	4-8 (1%, 500 ppm)	Diluted 1% in CIPAC MT 75.3
Wet sieve residue 75 µm	< 1%	
Particle size d 0,50 µm	6 – 14 µm	
Brookfield viscosity	300-800 mPas	Spindle #63@50 U/min

PACKAGING

code article	description	volume	pictogramme	caisse américaine	palettisation
A801321	flacon COEX	200ml		x6 unités	x243 cartons

CLASSIFICATION

Classification according to Regulation (EC) No 1272/2008

H318 Causes serious eye damage

H410 Very toxic to aquatic life with long lasting effects

EUH208 contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.



Danger

P280 Wear protective goggles

P273 Avoid release to the environment

P305+P351+P338+P310 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P391 Collect spillage.

P501 Dispose of contents and container to a waste disposal center

BIOCIDE AGENDA FOR CYPERMETHRIN BASED PRODUCTS

