



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room 907, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

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TECHNICAL DATA SHEET

Product Name	Oxamyl 240 g/l SL
Formulation	Soluble concentrate
Full content	Oxamyl: 240g/L Others: Balance
Origin of a.i.	China
Method analysis of a.i.	HPLC method
Apperance	Colorless to light yellow
Density	0.98 g/cm ³
Stability of emulsion	Not applicable
pH	NA
Recommendations for storage and handling	<p>Handling: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/-PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</p> <p>Handling (Physical Aspects) Flammable. Keep away from heat, sparks, and open flame. Keep container closed. Use with adequate ventilation.</p> <p>Storage: Do not contaminate water, food, or feed by storage or disposal. Store product in original container only. Not for use or storage in or around the home. Keep out of reach of children.</p>
Stability of product during storage	Stable under normal storage condition
Reactivity with other products	Avoid contact with alkaline materials
The mode of action	Acts as an antagonist by binding to postsynaptic nicotinic receptors in the insect central nervous system. Systemic insecticide with translaminar activity and with contact and stomach action. Readily taken up by the plant and further distributed acropetally, with good root-systemic action.
Use	Control of chewing and sucking insects (including soil insects, but not wireworms), Spider mites and nematodes in ornamentals, fruit
Targeted pest	trees, vegetables, cucurbits, beet, bananas, pineapples, peanuts, cotton, soya beans, tobacco, potatoes and other crops.



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Use rate	0.6-3 KG a.i /ha
Method of application	Foliar spray
Number/Frequence of application	Maximum two times per crop season.
Restrictions of use	Toxic to fish, bees and wildlife. Take care when use this product.
Professed resistances	Resistance to Oxamyl in moth was detected. It is suggested alternative use with pesticides of different mechanism while controlling this pest.
Mammalian toxicity	<p>Oral Acute oral LD50 for male rats 3.1, female rats 2.5 mg/kg.</p> <p>Skin and eye Acute percutaneous LD50 for male rabbits 5027, female rabbits >2000 mg/kg.</p> <p>Not irritating to skin (rabbits).</p> <p>Not a skin sensitiser (guinea pigs).</p> <p>Inhalation LC50 (4 h) for rats 0.056 mg/l air (particulate suspension in air).</p> <p>NOEL (2 y) for rats 50 mg a.i./kg diet (2.5 mg/kg b.w. daily); for dogs 50 mg/kg diet. ADI (JMPR) 0.009 mg/kg b.w. [2002]; (EC) 0.001 mg/kg b.w. [2006]; (EPA) aRfD 0.0026 mg/kg b.w. [2010]; cRfD not established [2007]. Water GV Excluded from GV derivation (U).</p> <p>Not mutagenic in a range of in vitro and in vivo tests; not a reproductive or developmental toxicant; not carcinogenic</p>
Ecotoxicity	<p>Birds Acute oral LD50 for male mallard ducks 3.83, female mallard ducks 3.16, northern bobwhite quail 9.5 mg/kg. Dietary LC50 (8 d) for bobwhite quail 340, mallard ducks 766 ppm.</p> <p>Fish LC50 (96 h) for bluegill sunfish 5.6, rainbow trout 4.2 mg/l.</p> <p>Daphnia LC50 (48 h) 0.319 mg/l.</p> <p>Algae EC50 (72 h) 3.3 mg/l. Bees Toxic to bees; LD50 (48 h, oral) 0.38 µg/bee; (48 h, contact) 0.47 µg/bee.</p> <p>Worms LC50 (14 d) 112 ppm.</p> <p>Other beneficial spp. Aged residues had negligible toxicity to Aphidius, Typhlodromus and Orius spp. Soil concentrations ≤3 ppm have <30% effect on Aleochara, Poecilus and Pardosa spp.</p>
Environmental fate	<p>Animals In rats, oxamyl was hydrolysed to the oximino metabolite (methyl N-hydroxy-N',N'-dimethyl-1-thiooxamidate) or metabolised via N,N-dimethyl-1-cyanoformamide to N,N-dimethyloxamic acid. Conjugates of the oximino metabolite, the acid, and their monomethyl derivatives constituted over 70% of the</p>



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MRL

metabolites excreted in the urine and faeces

Plants In plants, oxamyl is hydrolysed to the corresponding oximino compound, which, in turn, is demethylated and/or conjugated with glucose. Total breakdown into plant natural products has also been demonstrated

Soil/Environment Degraded rapidly in soil, DT50 c. 7 d. DT50 in groundwater (lab. study) 20 d (anaerobic), 20–400 d (aerobic). Koc 25.

Tomato	2 mg/Kg
Spices, Roots and Rhizomes	0.05 mg/Kg
Spices, Fruits and Berries	0.07 mg/Kg
Potato	0.1 mg/Kg
Peppers, Sweet (including pimento or pimienta)	2 mg/Kg
Peanut fodder	0.2 mg/Kg
Peanut	0.05 mg/Kg
Melons, except watermelon	2 mg/Kg
Cucumber	2 mg/Kg
Cotton seed	0.2 mg/Kg
Citrus fruits	5 mg/Kg
Carrot	0.1 mg/Kg

Country of Origin

China

Name of the formulator

Shanghai Bosman Industrial Co., Limited

Name of the manufacturer

Shanghai Bosman Industrial Co., Limited