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Technical Date Sheet

Basic information			
Chemical name	Thiamethoxam	Formula	C8H10CIN5O3S
Synonyms	Actara		
CAS.No.	153719-23-4	Chemical structure	
EINECS No.	/	chemical structure	N ⁺ -N
Molecular weight	291.71		o" N

Physical properties

Appearance	Yellowish gray to white crystalline powder	
Density,20℃,g/cm3	1.71	
Boiling point, $^{\circ}\!$	485.8	
Melting point, $^\circ\!\mathrm{C}$	139.1	
Flash point, $^{\circ}\!\!\mathbb{C}$	247.6	
Refractive index	1.725	
Solubility	(25 $^\circ C$,g/L pure product) water 4.1, organic solvent (25 $^\circ C$,g/L): acetone 48, ethyl acetate 7.0,	
	methyl alcohol 13, dichloromethane 110, hexane>1mg/L, octanol 620mg/L, methylbenzene 680mg/L	

Specification

25%WDG; 35%FS; 50%WDG ; 70%WS; 70%WDG; 96%TC

* Please refer to Certificate of Analysis for lot specific data.

Application

1) Thiamethoxam is a new type of high-efficiency, broad-spectrum insecticide. The mechanism of thiamethoxam is similar to imidacloprid, can selectively inhibit the insect central nervous system nicotinic acid acetylcholinesterase receptor, and then block the normal conduction of insect central nervous system, causing pests to be paralyzed.

2) Thiamethoxam not only has the characteristics of stomach toxicity, internal absorption, but also has a higher activity, better safety, wider insecticidal spectrum and fast action, long duration and so on. It is a good variety of organophosphorus, carbamate, organochlorine pesticides that are highly toxic to mammals, with residues and environmental problems.

3) Thiamethoxam has high activity against Coleoptera, Diptera, Lepidoptera, especially Homoptera Pests, which can effectively control various aphids, leafhoppers, planthoppers, whiteflies, beetle larvae, potato beetles, nematodes, Ground beetles, leaflets and other pests and other types of chemical pesticides to produce resistant pests.

4) Thiamethoxam can be used to deal with the stem leaf, seed treatment, can also be used to deal with the soil.Ideal for rice crops, sugar beet, canola, potatoes, cotton, beans, fruit, peanut, sunflower, soybean, tobacco, citrus, etc..

Package

25kg per fiber drum, 9mt per 20'ft with pallets wrapped 5L per HPDE drum, 4 drums per carton (Size: 38.5x29.5x31 mm) 20L per HDPE drum (Size: 255x280x410 mm)



Safety on transportation

It belongs to hazard class 9 dangerous goods, always refer to MSDS.

Storage and handling

Keep tightyl closed. The storage environment don't below minus 10 $^{\circ}$ C and higher than 35 $^{\circ}$ C. Can not be mixed with alkaline agents. Toxic to bees, medication should pay special attention. The drug insecticidal activity is very high, medication should not blindly increase the dosage

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use. **Issue Date**: 1st, 12, 2016