

## SPECIFICATION OF CYPERMETHRIN TECHNICAL

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Common Name	:	Cypermethrin
Chemical Name	:	(RS) - $\alpha$ -cyano-3-phenoxybenzyl(1 RS) <i>cis-trans</i> -3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate
CAS No.	:	52315-07-8
Molecular Formula	:	C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>
Molecular Weight	:	416.3
Pesticide Class	:	Synthetic Pyrethroid
Appearance	:	Yellow to Yellowish brown viscous liquid
Cypermethrin Content % Weight/ Weight	:	Min 93%
Acidity as H <sub>2</sub> SO <sub>4</sub>	:	Max 0.3%
Moisture Content	:	Max. 0.2%
3 - phenoxy benzaldehyde (MPB) content, % by mass	:	Max.2.0 %
Cis : trans isomer	:	Cis - min. 40, max.80
Melting Point	:	61-83°C
Solubility	:	In water 0.004 mg/l (pH 7). In acetone, chloroform, cyclohexanone, xylene >450, ethanol 337, hexane 103 (all in g/l, 20 °C).
Toxicity	:	Acute Oral Rat LD <sub>50</sub> : 250-4150 mg/ kg Acute Dermal Rabbit LD <sub>50</sub> : > 2000 mg/ kg
Compatibility	:	Incompatible with alkaline compounds
Packing	:	25/ 225 kg Epoxy Coated M.S.Drums
Shelf Life	:	2 Years

For Devidayal (Sales) Limited,