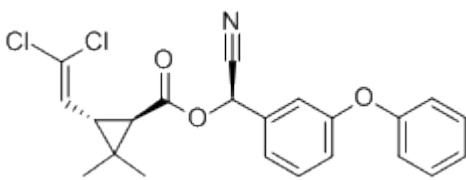
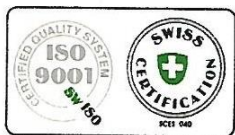


CYPERMETHRIN TECHNICAL

Description of Technical

Cypermethrin is a synthetic pyrethroid insecticide used to control many pests, including moth pests of cotton, fruit, and vegetable crops.

Common Name	:	cypermethrin
IUPAC Name	:	(RS)- α -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
C.A. Name	:	cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
Chemical Family	:	Pyrethroid
Structural Formula	:	
Empirical formula	:	C ₂₂ H ₁₉ Cl ₂ NO ₃
Molecular Weight	:	416.3
C.A.S. No.	:	52315-07-8
Physical State	:	Yellow-brown, viscous semi-solid at ambient temperature
Melting Point	:	41.2 °C
Odour	:	odorless
Density	:	1.3 g/l@20°C
Vapour Pressure	:	0.00023 mPa at 25°C
Flash Point	:	Not expected to self-ignite; Not highly flammable
Explosion Hazard	:	Not explosive



Solubility in water	:	0.009 mg/l at 20 °C
Stability	:	Relatively stable in neutral and weakly acidic media, with optimum stability at pH 4.

CYPERMETHRIN TECHNICAL

Sales Specification

A.I. content by mass	:	93% min
Moisture content	:	0.2% max
Packing	:	25 kg HDPE bags
Transportation information	:	UN No.3352 Class 6.1 IMDG code UN3349 Pyrethroid pesticide, liquid, toxic 6.1 PG III Packing Group III

TOXICOLOGICAL PROFILE

LD50 Acute oral	:	Rat	7180 mg/kg
LD50 acute Percutaneous	:	Rabbit	>4920 mg/kg
LC50 inhalation(4hr)	:	Rat	2.5 mg/l air
Skin irritation	:	Rabbit	Mild-irritant
Eye irritation	:	Rabbit	Mild-irritant
Skin sensitization	:	Rabbit	Weak skin sensitizer