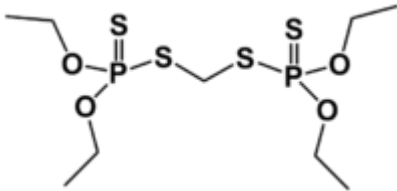


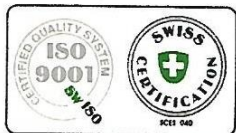
ETHION TECHNICAL

Description of Technical

Organophosphate insecticide and acaricide used to control a range of pests including spider mites, aphids, scale insects and leafhoppers. It may be used on a wide variety of food, fiber, and ornamental crops, including greenhouse crops, lawns, and turf. Ethion is often used on citrus and apples.

Common Name	:	Ethion
IUPAC Name	:	O,O,O',O'-tetraethyl S,S'-methylene bis(phosphorodithioate)
C.A. Name	:	S,S'-methylene bis(O,O-diethyl phosphorodithioate)
Chemical Family	:	Organophosphate
Structural Formula	:	

Empirical formula	:	C ₉ H ₂₂ O ₄ P ₂ S ₄
Molecular Weight	:	384.48
C.A.S. No.	:	563-12-2
Physical State	:	Amber Liquid
Melting Point	:	-15 to -12°C
Density	:	1.22 g/ml
Odour	:	disagreeable odor
Vapour Pressure	:	1.5X10 ⁻⁶ mm Hg at 25° C
Flash Point	:	176 °C
Explosion Hazard	:	Non explosive



**Bharat
RASAYAN LIMITED**

Regd. Off. : 1501, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax : +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : L24119DL1989PLC036264

Solubility in water : Low; 2ppm at 25°C
Stability : Hydrolysed by aqueous acids and alkalis; Oxidised by air

ETHION TECHNICAL

Sales specifications

Ethion content by mass : 95% Min.
Moisture content : 0.05% Max.
Packing : HPDE sacks of capacity upto 100 kg, further packed in FB drums
Transportation information : UN No. 3018
Class 6.1
Organophosphorus pesticide, liquid, toxic
Marine Toxic
Packing Group II

Toxicological Profile

LD50 acute oral	: Rat	208mg/kg
LD50 acute Percutaneous	: Rabbit	915mg/kg
LC50 inhalation (4hr)	: Mice	0.45mg/l
Skin irritation	: Rabbit	Moderate
Eye irritation	: Rabbit	Moderate
Skin Sensitization	: Rabbit	Non-sensitizer