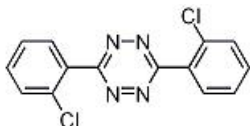


TECHNICAL DATA SHEET OF

Clofentezine 98% TC

Chemistry identity	
Common name	Clofentezine 98% TC
IUPAC name	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine
CAS No	74115-24-5
Formula structure	
Physical and chemical properties	
Appearance	Magenta powder or loose lumps
Content	98% min.
pH	5.0-8.0
Solubility in water	2.5 µg/l (pH 5, 22 °C).
Mammalian toxicity	
Acute oral	LD ₅₀ for rats >5000 mg/kg
Acute dermal	LD ₅₀ for rats > 2000 mg/kg
Acute inhalation	LC ₅₀ (4 h) for rats >5000 mg/m ³ air
Environment fate	<p>Animals In mammals, undergoes metabolism by hydroxylation and exchange of the chlorine atoms on the rings for methylthio groups. Following oral administration, excretion occurs within 24 – 48 hours in the urine and faeces.</p> <p>Plants In metabolism studies, unchanged clofentezine was the major extractable residue. Trace amounts of 2-chlorobenzonitrile, the major photodegradation product, were also detected.</p> <p>Soil/Environment In soil, the major degradation route leads to 2-chlorobenzoic acid, and finally to CO₂. DT₅₀ in soil 16.8 – 132 d (15 – 25 °C), depending upon soil type. However, in laboratory studies, no leaching occurs. In water, 2-chlorobenzonitrile is the major product formed by hydrolysis and photodegradation, with smaller amounts of other compounds. Low solubility in water makes determination of soil adsorption constants difficult.</p>
Handling and storage	<p>Handling Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Thermal decomposition can lead to release of toxic/corrosive gases and vapors.</p> <p>Storage Conditions Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.</p>
Package	25kg drums or customized package