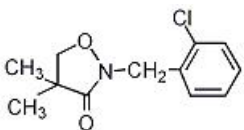


TECHNICAL DATA SHEET OF

Clomazone 480g/L EC

Chemistry identity	
Common name	Clomazone 480g/l EC
IUPAC name	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one; 2-(2-chlorobenzyl)-4,4-dimethylisoxazolidin-3-one
CAS No	81777-89-1
Formula structure	
Physical and chemical properties	
Appearance	Brown liquid
Content	480g/L min.
pH	5.0-8.0
Density	NA
Mammalian toxicity	
Acute oral	LD ₅₀ for rats >2000 mg/kg
Acute dermal	LD ₅₀ for rats >2000mg/kg.
Acute inhalation	LC ₅₀ (4 h) for rats >5.0 mg/l
Environment fate	<p>Animals Clomazone is rapidly and extensively absorbed after oral administration (87 - 100% within 48 h) and rapidly and completely excreted after 7 d; residues in animal tissues are negligible. Clomazone is almost completely metabolised by hydroxylation and oxidation/opening of the 3-isoxazolidone ring. (EFSA Sci. Rep.). Plants Metabolism involves hydroxylation of the methylene carbon bridge, the isoxazolidinone ring, and the aromatic ring. Hydroxylation on the methylene position is followed by decomposition to form isoxazolidinone and 2-chlorobenzaldehyde; these metabolites are then oxidised or reduced. Hydroxylated products are conjugated, to yield glucosides and amino acid conjugates. Soil/Environment Moderately persistent in soil, DT50 c. 30 - 135 d. Koc 150 - 562, suggesting clomazone would be mobile in soil; however, in field trials, it was found not to leach beyond the top 10 cm of soil</p>
Handling and storage	<p>Handling Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.</p> <p>Storage Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.</p>
Package	25kg drum or customized package