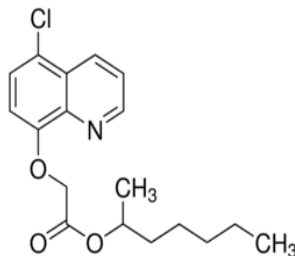


## CLOQUINTOCET-MEXYL

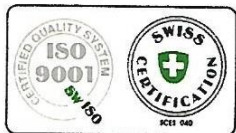
### Description of Technical

Cloquintocet-mexyl improves cereal crop tolerance to the herbicide clodinafop-propargyl. It is used to control herbicide safener in combination with clodinafop-propargyl for selective control of annual grasses (*Alopecurus myosuroides*, *Avena* spp., *Lolium* spp., *Phalaris* spp., *Poa trivialis*, *Setaria* spp.) in small grain cereals.

<b>Common Name</b>	:	cloquintocet-mexyl
<b>IUPAC Name</b>	:	(RS)-1-methylhexyl (5-chloroquinolin-8-yloxy)acetate
<b>C.A. Name</b>	:	1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate
<b>Chemical Family</b>	:	Unclassified
<b>Structural Formula</b>	:	



<b>Empirical formula</b>	:	C <sub>18</sub> H <sub>22</sub> ClNO <sub>3</sub>
<b>Molecular Weight</b>	:	335.8 gmol <sup>-1</sup>
<b>C.A.S. No.</b>	:	99607-70-2
<b>Physical State</b>	:	Colourless crystals
<b>Melting Point</b>	:	69.4 °C
<b>Odour</b>	:	odorless
<b>Density</b>	:	1.05 g/l@20°C
<b>Vapour Pressure</b>	:	5.31 X 10 <sup>-03</sup> mPa at 25°C
<b>Explosion Hazard</b>	:	No information available
<b>Solubility in water</b>	:	0.59 mg/l at 20 °C



**Stability** : Stable in acidic and neutral media

## **CLOQUINTOCET-MEXYL**

### **Sales Specification**

**A.I. content by mass** : 98% min  
**Moisture content** : 0.1% max  
**Packing** : 25 kg HDPE bags, UN approved  
**Transportation information** : UN No.3077  
Class 9  
IMDG code  
UN3077 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S.9 PG III  
marine pollutant  
Packing Group III

## **TOXICOLOGICAL PROFILE**

**LD50 Acute oral** : Rat >2000 mg/kg  
**LD50 acute** : Rabbit >2000 mg/kg  
**Percutaneous**  
**LC50 inhalation(4hr)** : Rat >0.935 mg/l air  
**Skin irritation** : Rabbit Non-irritant  
**Eye irritation** : Rabbit Non-irritant  
**Skin sensitization** : Rabbit Not a skin sensitizer