**3-Isoxazolidinone, 2-[(2-chlorophenyl)methyl]-4,4-dimethyl- (cas 81777-89-1) MSDS**

**MSDS**

3-Isoxazolidinone, 2-((2-chlorophenyl)methyl)-4,4-dimethyl-

**CAS**

81777-89-1

**SYNONYMS**

* 2-(2-Chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
* 2-((2-Chlorophenyl)methyl)-4,4-dimethyl-3-isoxazolidinone
* Clomazone
* Command
* Dimethazone
* FMC 57020
* Gamit
* Magister

---

**Chemical Identification**

**RTECS Number**

NY2977000

**Chemical Name**

3-Isoxazolidinone, 2-((2-chlorophenyl)methyl)-4,4-dimethyl-

**CAS Registry Number**

81777-89-1

**Other CAS Registry Nos.**

89493-06-1

**Last Updated**

199701

**Data Items Cited**

6

**Molecular Formula**

C12H14ClN2O2

**Molecular Weight**

239.72

**Compound Descriptor**

Agricultural Chemical

**Synonyms/Trade Names**

* 2-(2-Chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
* 2-((2-Chlorophenyl)methyl)-4,4-dimethyl-3-isoxazolidinone
* Clomazone
* Command
* Dimethazone
* FMC 57020
* Gamit
* Magister
** HEALTH HAZARD DATA **

** ACUTE TOXICITY DATA **

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>ROUTE OF EXPOSURE</th>
<th>SPECIES OBSERVED</th>
<th>DOSE/DURATION</th>
<th>TOXIC EFFECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 - Lethal dose, 50 percent kill</td>
<td>Oral</td>
<td>Rodent - rat</td>
<td>1369 mg/kg</td>
<td>Details of toxic effects not reported other than lethal dose value</td>
</tr>
<tr>
<td>LC50 - Lethal concentration, 50 percent kill</td>
<td>Inhalation</td>
<td>Rodent - rat</td>
<td>4800 mg/m3/4H</td>
<td>Details of toxic effects not reported other than lethal dose value</td>
</tr>
<tr>
<td>LD50 - Lethal dose, 50 percent kill</td>
<td>Administration onto the skin</td>
<td>Rodent - rabbit</td>
<td>&gt;2 gm/kg</td>
<td>Details of toxic effects not reported other than lethal dose value</td>
</tr>
<tr>
<td>LD50 - Lethal dose, 50 percent kill</td>
<td>Oral</td>
<td>Bird - quail</td>
<td>&gt;2510 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

REFERENCE:

Details of toxic effects not reported other than lethal dose value

REFERENCE:

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Bird - duck
DOSE/DURATION : >2510 mg/kg

TOXIC EFFECTS:
Details of toxic effects not reported other than lethal dose value

REFERENCE:

*** STATUS IN U.S. ***

On EPA IRIS database

*** END OF RECORD ***