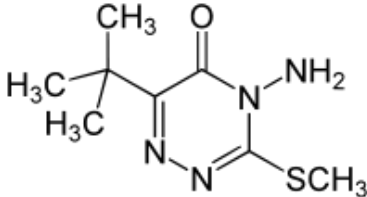




## METRIBUZIN TECHICAL

### Description of Technical

A pre- and post-emergence herbicide used to control grasses and broad-leaved weeds in a range of crops.

<b>Common Name</b>	:	Metribuzin
<b>IUPAC Name</b>	:	4-amino-6-tert-butyl-4,5-dihydro-3-methylthio-1,2,4-triazin-5-one
<b>C.A. Name</b>	:	4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4 <i>H</i> )-one
<b>Chemical Family</b>	:	Triazinone
<b>Structural Formula</b>	:	

<b>Empirical formula</b>	:	C <sub>8</sub> H <sub>14</sub> N <sub>4</sub> OS
<b>Molecular Weight</b>	:	214.29 g mol <sup>-1</sup>
<b>C.A.S. No.</b>	:	21087-64-9
<b>Physical State</b>	:	White Crystals
<b>Melting Point</b>	:	125 °C
<b>Density</b>	:	1.26 g ml <sup>-1</sup>
<b>Odour</b>	:	Weak characteristic odour
<b>Vapour Pressure</b>	:	0.121 mPa
<b>Flash Point</b>	:	Not expected to self-ignite; not highly flammable
<b>Explosion Hazard</b>	:	Non explosive
<b>Solubility in water</b>	:	1165 mg l <sup>-1</sup>



**Stability** : Relatively stable to UV radiation at 20 °C, stable to dilute acids and alkalis.

## **METRIBUZIN TECHNICAL**

### **Sales Specification**

**Metribuzin content by mass** : 95% Min.  
**Moisture content** : 0.5% Max.  
**Packing** : HDPE sacks of capacity upto 200 kg further packed in MS drums  
**Transportation information** : UN No. 3077  
Class 9  
Environmentally hazardous  
Substance, solid, n.o.s.  
Packing Group

### **Toxicological Profile**

**LD50 acute oral** : Rat 510 mg/kg  
**LD50 acute Percutaneous** : Rat >20,000 mg/kg  
**LC50 inhalation (4hr)** : Rat 0.65 mg/l  
**Skin irritation** : Rabbit Not an Irritant  
**Eye irritation** : Rabbit Not an irritant  
**Skin Sensitization** : Rabbit Not a sensitizer