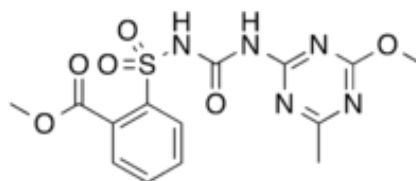




## METSULFURON-METHYL TECHICAL

### Description of Technical

A herbicide used to control grasses and broad-leaved weeds mainly in cereals and land temporarily removed from production. It is also be a pesticide transformation product.

<b>Common Name</b>	:	Metsulfuron-methyl
<b>IUPAC Name</b>	:	methyl 2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate
<b>C.A. Name</b>	:	methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate
<b>Chemical Family</b>	:	Sulfonylurea
<b>Structural Formula</b>	:	
<b>Empirical formula</b>	:	C <sub>14</sub> H <sub>15</sub> N <sub>5</sub> O <sub>6</sub> S
<b>Molecular Weight</b>	:	381.36 g/mol
<b>C.A.S. No.</b>	:	74223-64-6
<b>Physical State</b>	:	White to pale yellow solid
<b>Melting Point</b>	:	162 °C
<b>Density</b>	:	1.45 g/ml
<b>Odour</b>	:	Slight odor
<b>Vapour Pressure</b>	:	1.10 X 10 <sup>-07</sup> mPa
<b>Flash Point</b>	:	Not expected to self-ignite



<b>Explosion Hazard</b>	:	Not explosive
<b>Solubility in water</b>	:	2790 mg/l at 20 °C; High
<b>Stability</b>	:	Photolytically stable, stable at pH 7 and 9

**METSULFURON-METHYL TECHNICAL**  
**Sales Specification**

<b>A.I. content by mass</b>	:	93% Min.
<b>Moisture content</b>	:	0.4% Max.
<b>Packing</b>	:	LDPE/HDPE sacks of 50-100 kg capacity, further packed in fiber board drum
<b>Transportation information</b>	:	UN No.3077 Class 9 Environmentally hazardous Substance, solid, N.O.S. Packing Group III

**Toxicological Profile**

<b>LD50 acute oral</b>	:	Rat	>5000 mg/kg
<b>LD50 acute Percutaneous</b>	:	Rat	>2000 mg/kg
<b>LC50 inhalation (4hr)</b>	:	Rat	>5 mg/l
<b>Skin irritation</b>	:	Rabbit	Non- Irritant
<b>Eye irritation</b>	:	Rabbit	Non- irritant
<b>Skin Sensitization</b>	:	Guinea Pigs	non-sensitizer