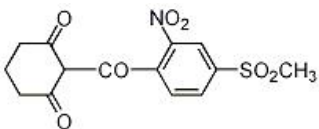


TECHNICAL DATA SHEET OF

Mesotrione 480g/l SC

Chemistry identity	
Common name	Mesotrione 480g/l SC
IUPAC name	2-(4-mesyl-2-nitrobenzoyl)cyclohexane-1,3-dione
CAS No	104206-82-8
Formula structure	
Physical and chemical properties	
Appearance	Off-white liquid
Content	480g/L
pH	3.0-6.0
Density	NA
Solubility in water	Disperse in water
Mammalian toxicity	
Acute oral	LD ₅₀ > 5000 mg/kg
Acute dermal	LD ₅₀ for rats > 2000 mg/kg
Acute inhalation	LC ₅₀ (4 h) for rats > 5.0 mg/L
Environment fate	<p>Key metabolites in animals, plants and soil include MNBA [4-(methylsulfonyl)-2-nitrobenzoic acid] and AMBA [2-amino-4-(methylsulfonyl)benzoic acid]. Animals Extensively absorbed (c. 70% in 72 h), widely distributed and excreted (up to 70% in 72 h), mainly via urine. Soil/Environment In the field, rapidly dissipated with a median DT₅₀ (field) 4 d (2–14 d, 6 first order, 24 sites); Degradation is faster at higher pH values. Adsorption of mesotrione is inversely correlated with pH and directly with soil organic carbon. In aquatic systems, mesotrione rapidly dissipates mainly via the formation of non-extractable residues (65–74% after 101 d) with a DT₅₀ of 3.9–6.5 d in the whole system.</p>
Handling and storage	<p>Handling: Avoid contact with eyes and skin. When opening the container, preparing the paint solution for use and using the prepared paint solution, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.</p> <p>Storage: Keep out of reach of children. Store below 30°C (Room Temperature) in tightly sealed original containers in a dry secure place away from feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.</p>
Package	25kg drum or customized package