

TECHNICAL DATA SHEET OF

Glufosinate ammonium 200g/l SL

Chemistry identity	
Common name	Glufosinate ammonium 200g/L SL
CAS name	ammonium (±)-2-amino-4-(hydroxymethylphosphinyl)butanoate
CAS No	77182-82-2
Formula structure	$\text{CH}_3-\text{P}(=\text{O})(\text{O}^-)-\text{CH}_2-\text{CH}_2-\text{CH}(\text{NH}_2)-\text{CO}_2\text{H} \quad \text{NH}_4^+$
Physical and chemical properties	
Appearance	Blue to bluish-green liquid
Content	200 g/l min
Water insoluble	≤0.3%
pH	3.0-7.0
Density	Approx. 1.08
Solubility in water	Soluble in water
Mammalian toxicity	
Acute oral	LD ₅₀ >2000mg/kg (Formulated product)
Acute dermal	LD ₅₀ for rats >2000 mg/kg (Formulated product)
Acute inhalation	LC ₅₀ (4 h) for rats >1.62 mg/L (Technical product)
Environment fate	<p>Persistence and degradation Glufosinate-ammonium is rapidly degraded in surface levels of soils and in water, and is readily biodegradable.</p> <p>Bioaccumulative potential Does not accumulate in the fatty tissues of fish or other animals.</p> <p>Mobility in soil Not very mobile in soil, but is rapidly biodegraded.</p>
Handling and storage	<p>Safe handling: Ensure adequate ventilation.</p> <p>Hygiene measures: Avoid contact with skin, eyes and clothing. Avoid breathing vapour or spray. For product in eyes, wash immediately with water. For product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.</p> <p>Safe storage: Store between 5-30oC in the closed original container. Store in a cool, dry, well-ventilated area, Keep away from direct sunlight and sources of ignition. Protect from freezing. Do not store in steel or aluminium containers.</p>
Package	200L drum or customized package