

TECHNICAL DATA SHEET OF

Propamocarb hydrochloride 722g/L SL

Chemistry identity	
Common name	Propamocarb hydrochloride 722g/L SL
IUPAC name	propyl 3-(dimethylamino)propylcarbamate hydrochloride
CAS No	25606-41-1
Structure Formula	$\begin{array}{c} \text{CH}_3 \\ \diagup \\ \text{N}(\text{CH}_2)_3\text{NHCO}_2(\text{CH}_2)_2\text{CH}_3 \cdot \text{HCl} \\ \diagdown \\ \text{CH}_3 \end{array}$
Physical and chemical properties	
Appearance	Light yellow to colorless viscous clear liquid
Content	722g/L SL
pH	4.0-7.0
Solubility in water	Soluble in water
Mammalian toxicity	
Acute oral	LD ₅₀ for rats >5000 mg/kg (calculated)
sAcute dermal	LD ₅₀ for rats >5000 mg/kg (calculated)
Acute inhalation	LC ₅₀ (4 h) for rats >5.54 mg/l air (calculated)
Environment fate	<p>Animals Rapidly absorbed and almost totally excreted (>90% in 24 hours), mainly via urine. Mineralisation occurs via oxidation and hydrolytic decomposition. Plants Mainly unchanged in plants. Soil/Environment Rapidly degraded in soil by microbial processes, following a brief lag phase, DT₅₀ <30 d, DT₉₀ <70 d. Propamocarb hydrochloride is retained in the upper soil layer (4-20 cm) and little is found in leachate. Stable in aqueous medium, but rapidly degraded by aquatic micro-organisms (up to 97% in 35 d). It is adsorbed onto sediment, but with limited desorption.</p>
Handling and storage	<p>Handling: Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes.</p> <p>Storage: Store in a dry well ventilated place away from sources of heat and direct sunlight. Store at ambient temperatures.</p>
Package	200L drums or customized package