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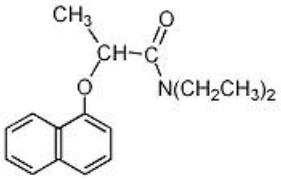
TECHNICAL DATA SHEET OF

Napropamide 96% TC

Chemistry identity	
Common name	Napropamide 96% TC
IUPAC name	(RS)-N,N-diethyl-2-(1-naphthyloxy)propionamide
Molecular structure	
CAS No	15299–99–7
Physical and chemical properties	
Appearance	Light yellow to light brown
Content	96 % min (w/w)
pH	6.0-8.0
Density	NA
Solubility in water	In water 7.4 mg/l (25 ° C)
Mammalian toxicity	
Acute oral	LD_{50} >5000 mg/kg for rat
Acute dermal	LD_{50} >40000 mg/kg for rabbit
Acute inhalation	LC_{50} (4h)>5.0 mg/L for rat
Environment fate	**Animals** In mammals, following oral administration, napropamide is rapidly and extensively metabolised. The majority of the dose is excreted via urine and faeces. Similar effects have been observed in poultry. **Plants** Rapidly metabolised via ring hydroxylation and N-dealkylation, followed by conjugation with sugars to produce water-soluble metabolites. **Soil/Environment** Koc 600 (range 208 – 1170). In aerobic laboratory soil, degradation is slow, DT50 230 – 670 d (30 ° C); however, in the field, DT50 is 46 – 131 d in N. America/Germany. Photodegradation is an important mechanism for loss from soil.
Handling and storage	**Handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. **Storage:** Store in a cool location. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.
Package	25kg drum or customized package