### Technical Information

# Stepan

Stepan Company

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## MAMMALIAN TOXICOLOGY OF DIMETHYL AMIDES

**Applicable to these current Stepan products:** 

STEPOSOL® M-10 STEPOSOL® M-8-10 HALLCOMID® M-10 NINOL® CAA

#### **Toxicological Information:**

Test/Conditions	Results/Classification	<u>References</u>
Acute Oral Toxicity	LD <sub>50</sub> = 1750 mg/kg	Stepan Study No. 90-023A
(rat)(gavage)(14 days) n=5/sex/dose	(slightly toxic orally)	90-023A
Acute Dermal Toxicity	LD <sub>50</sub> = 2000 mg/kg	Stepan Study No.
(rat)(dermal application)(15	(slightly toxic dermally)	95-029A
days) n=5/sex/dose		
Bovine Corneal Opacity	18.7 - 26.6	Stepan Study No.
Permeability Test (BCOP)	(mild to moderate eye irritant)	08-005A; 11-003A
Sensitization Study	Not a skin sensitizer	Stepan Study No.
(guinea pig)(6 hr. exposure)		90-020A
n=46	Non monto conio	Ottorono Otvodo No
Genotoxicity Study (Ames)(bacteria)(48 hr)	Non-mutagenic	Stepan Study No. 92-030A
Genotoxicity Study	Not considered to be	Stepan Study No.
(chromosomal aberration)(4 hr exposure)	clastogenic	95-028A
Genotoxicity Study	Negative	Stepan Study No.
(unscheduled DNA		91-049A
synthesis)(24 hrs)		
Reproductive Toxicity	NOAEL= 10,000 ppm	US HPV
(rat)(90 day study)		

#### **References:**

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Last Update: 6.28.11 Revision Reference: TX056-02

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