# RINSKOR™ ACTIVE
# MAMMALIAN TOXICOLOGY

## Rinskor™ active has a very favorable mammalian toxicity profile.

Rinskor and its formulated products exhibit low acute toxicity with mild eye irritation being the most significant acute findings with the technical material as well as the formulated product. No significant adverse effects were reported in the sub-chronic, chronic, reproduction or developmental toxicity studies, nor were there any treatment-related mutagenic, carcinogenic or neurotoxic effects noted. Mammalian tox profile is described below.

### Selected Mammalian Toxicological Endpoints

| Study | Results |
|---|---|
| Acute oral, rat | $LD_{50}$>5000 mg/kg |
| Acute dermal | $LD_{50}$>5000 mg/kg |
| Acute inhalation | $LC_{50}$>5.23mg/L |
| Eye irritation | None |
| Skin irritation | None |
| Skin sensitization (LLNA) | Weak dermal sensitization ($EC_3$=19.1%) |
| Chronic Toxicity/Carcinogenicity: Rats | No evidence of long term toxicity or carcinogenicity up to the highest dose tested, 300 mg/kg bw/day.<br>Chronic NOAEL= 300 mg/kg bw/day |
| Carcinogenicity: Mice | No evidence of carcinogenic potential.<br>NOEL/NOAEL = 1000 mg/kg/day (M)/800 mg/kg/day(F) |
| Developmental Toxicity: Rat | No evidence of developmental toxicity up to the limit dose.<br>Maternal NOAEL= 1000 mg/kg/day<br>Litter NOAEL = 1000 mg/kg/day |
| Developmental Toxicity: Rabbit | No evidence of developmental toxicity up to the limit dose.<br>Maternal NOAEL= 1000 mg/kg/day<br>Litter NOAEL = 1000 mg/kg/day |
| 2-Generation Reproduction: Rat | No evidence of reproductive toxicity up to the highest dose tested, 300 mg/kg/day.<br>Parental NOAEL= 300 mg/kg/day<br>Pup NOAEL = 300 mg/kg/day |

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