Primary Eye Irritation Study (MRID 40858801)
- Conjunctival redness in 3/6 animals at 24 hours
- Cornea opacity in 1/6 animals at 1 hour
- Conjunctival redness persisted in one animal for 48 hours
- Eye in all animals cleared at 72 hours.
- Toxicity Category III - Caution

Primary Dermal Irritation (MRID 40858803)
- 6 animals used
- No erythema or edema reported on any of the animals.
- Toxicity Category III - Caution

Dermal Sensitization Study - Guinea Pig (MRID 40858803)
- Induction phase (dermal application) conducted with 20 guinea pigs (10 males and 10 females) with 0.4 mL of neat test material; 5 males and 5 females guinea pigs were treated with 0.4 mL dimethyl phthalate to serve as vehicle controls; 3 males and 2 females were treated with 0.4 mL suspension of DNCB.
- Two weeks after first induction treatment (3 once a week for 6 hrs), test animals received 0.4 mL of test substance, vehicle control animals received 0.4 mL of dimethyl phthalate, and positive control animals received 0.4 mL of DNCB suspension.
- During induction phase, slight patchy erythema noted in 2 test animals 24 hours after 1st induction treatment. No other irritation noted during induction phase in any test animals. No irritation in vehicle control animals; Positive control animals exhibited slight patchy erythema to severe erythema during the induction phase. Other effects were necrosis and edema.

As dermal irritation in vehicle or negative control animals during challenge, 6 test animals exhibited slight patchy erythema by 48 hours after treatment. Positive control animals exhibited moderate to severe erythema during challenge; necrosis, blanching, and edema were also observed.

Not a sensitizer.

Reference Studies:

Acute Oral Toxicity (Rat) (Assessment No 071435)
LD_{50} 75000 mg/kg. Toxicity Category III - Caution
Acute Dermal Toxicity (Rabbits) (Accinin Number 071495)
LD₅₀ 7 2000 mg/kg
Toxicity Category III - Caution

Acute Inhalation
Category IV - Caution

Summary:

Acute Oral: Category III
Acute Dermal: Category III
Primary Eye: Category III based on PR No. 81-3
Primary Dermal: Category IV
Acute Inhalation: Category III
Dermal Sensitization: Not a sensitizer

Desired Label: "Caution"
Recommend PL labeling for Primary Eye & Dermal Category III

Acceptable; some label changes.

U.K.W. 12/1/88 by instruction of PM to review order