

PHASE Toxicity Studies Summary

Primary Eye Inhausen Research Institute, Inc. 6-3-97

The test article, Loveland Industries, Inc. PHASE™ produced no effects on the cornea or iris when applied to the eye. There was some minor redness of the conjunctiva one-hour after application to the eye. Redness was still evident in 4 of the rabbits the following day with swelling in 5 rabbits. By day 2 all eyes had returned too normal. No overt signs of toxicity were observed during the course of the study. This material is classified in category III.

Primary Skin Inhausen Research Institute, Inc. 6-11-97

The test article, Loveland Industries, Inc. PHASE™ did not appear to cause any skin irritation or overt toxicity. This material is classified in category IV.

Acute Oral Inhausen Research Institute, Inc. 7-10-97

The test article, Loveland Industries, Inc. PHASE™ has an oral LD50 greater than 5000 mg/Kg. This material is classified in category IV.

Acute Dermal Inhausen Research Institute, Inc. 3-31-98

The test article, Loveland Industries, Inc. PHASE™ has a dermal LD50 greater than 2000 mg/Kg. This material is classified in category III.

Hazard Indicators	"Caution" Category IV	"Caution" Category III	"Warning" Category II	"Danger" Category I
Oral LD₅₀	>5,000 mg/kg	500 thru 5,000 mg/kg	50 thru 500 mg/kg	<50 mg/kg
Eye effects (w/in 7 days)	No irritation	No corneal opacity (Reversible)	Corneal opacity (Reversible)	Corrosive; corneal opacity (Irreversible)
Skin effects (at 72 hrs)	Mild irritation	Moderate irritation	Severe irritation	Corrosive
Dermal LD₅₀	>20,000 mg/kg	2000 thru 20,000 mg/kg	200 thru 2000 mg/kg	<200 mg/kg