

Schercemol™ DISF Ester

Toxicology Studies

INCI NAME: DIISOSTEARYL FUMARATE

TEST

CONCLUSION

Cosmetic Ingredient Review (CIR) on
Diisostearyl Fumarate

Safe in cosmetic products as used¹
Reported use concentration: 20%

Acute Oral Toxicity – Rats

LD₅₀ > 5 g/kg

Primary Dermal Irritation – Rabbits

PI Index: 1.35
Not a primary dermal irritant²

Primary Ocular Irritation – Rabbits

Average Draize Scores:
3.3/110 – 24 hrs
2.7/110 – 48 hrs
0.3/110 – 72 hrs
0.0/110 – 4 days
Mild ocular irritant³

Skin Sensitization – Guinea Pig⁴

Non-Sensitizing

¹ Tentative Report December 9, 2008

² Based on the Federal Hazardous Substances Act (FHSA) criteria

³ Based on the Modified Kay and Calandra Interpretation of Eye Irritation Test

⁴ Data on a structurally and chemically similar material

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