ISOCYCLOGERANIOL

CAS N°: 68527-77-5

Empirical formula: $C_{10}H_{18}O$

Synonyms: **3-Cyclohexene-1-methanol, 2,4,6-trimethyl-**
2,4,6-Trimethyl-3-cyclohexene-1-methanol

History: Initial reviews: December 1995

Current revision date: September 2001

Implementation date: for new submissions*: Not applicable

for existing fragrance compounds*: Not applicable

Next review date: 2006

* This date applies to the supply of fragrance compounds (formulas) only, not to the finished products in the marketplace.

STANDARD: **RESTRICTED**

RESTRICTIONS:

Limits in the finished product:

Skin-contact products:

Leave-on products: 0.5%

Rinse-off products: 0.5%
including household cleaning products

Non skin-contact products: 5%

Note box:

Fragrance material specification: Not applicable

Contribution from other sources: None known

Critical effect: **Sensitization**

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RIFM summaries:

Two RIPT studies with nine 24 hour occluded induction patches (3 times a week) followed approximately 2 weeks later by a 24 hour occluded challenge patch. Reactions were read at patch removal and again 24, 48, and 72 hours after patch removal. The first study at 5% resulted in no reactions 0/51 (RIFM, 1983). The second study resulted in 2/49 reactions plus one questionable reaction at 10% (RIFM, 1982).

Delayed contact hypersensitivity test in guinea pigs - 60% in 95% ethanol, 7/10 reactions (RIFM, 1981).

Rexpan Rationale / Conclusion:

The RIFM Expert Panel reviewed the critical effect data for isocyclogeraniol and recommended no change to the Standard (September 2001).

References:

Research Institute for Fragrance Materials, Inc. (1983). Evaluation of potential irritation and sensitization hazards by dermal contact of isocyclogeraniol in humans. Unpublished report from IFF. Report number 21790, 22 July.

Research Institute for Fragrance Materials, Inc. (1982). Evaluation of potential hazards by dermal contact of isocyclogeraniol in humans. Unpublished report from IFF. Report number 21792, 6 January.

Research Institute for Fragrance Materials, Inc. (1998). Delayed contact hypersensitivity study on isocyclogeraniol in guinea pigs. Unpublished report from IFF. Report number 21789, 12 August.