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IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Peonile™

Product Identification

Item	Details
Product Name	Peonile™
Manufacturer	Givaudan SA
Chemical Name	Alpha-Cyclohexylidene Benzeneacetonitrile
IUPAC Name	2-Cyclohexylidene-2-phenylacetonitrile
CAS Number	10461-98-0
Product Type	Synthetic Aroma Chemical
Chemical Family	Aromatic Nitrile
Physical Form	Colourless to pale-yellow liquid
Odour Profile	Rose, geranium, grapefruit, fresh floral, green and slightly metallic
Intended Use	Professional fragrance formulation

IFRA Status

Peonile™, CAS 10461-98-0, is specifically covered by the IFRA Standard for:

Alpha-Cyclohexylidene Benzeneacetonitrile

The material is subject to an IFRA Restriction Standard.

Restriction Basis

Parameter	Details
IFRA Recommendation	Restriction
Applicable Amendment	51st Amendment
Risk-Management Basis	Dermal sensitisation and systemic toxicity
Standard Reference	IFRA Standard IFRA_STD_241
Applicable Material	Alpha-Cyclohexylidene benzeneacetonitrile



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Applicable CAS Number

10461-98-0

Maximum Acceptable Concentrations

The following limits represent the maximum concentration of Peonile™ permitted in the finished consumer product.

IFRA Category	Maximum Concentration in Finished Product
Category 1	0.052%
Category 2	0.027%
Category 3	0.47%
Category 4	0.52%
Category 5A	0.13%
Category 5B	0.13%
Category 5C	0.13%
Category 5D	0.043%
Category 6	0.052%
Category 7A	0.94%
Category 7B	0.94%
Category 8	0.043%
Category 9	1.00%
Category 10A	2.90%
Category 10B	3.60%
Category 11A	0.043%
Category 11B	0.043%
Category 12	No Restriction

Category Descriptions

Category	Representative Finished Products
Category 1	Lip products and products applied to the lips
Category 2	Deodorants and antiperspirants
Category 3	Eye products, facial products and products applied using fingertips
Category 4	Fine fragrance, eau de parfum, eau de toilette, cologne and aftershave
Category 5A	Body creams, lotions and leave-on body products
Category 5B	Face moisturisers and leave-on facial products
Category 5C	Hand creams and leave-on hand products
Category 5D	Baby creams, baby oils and baby talc
Category 6	Oral-care and products involving oral or lip exposure
Category 7A	Rinse-off hair products
Category 7B	Leave-on hair products



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Category 8	Products with significant anogenital exposure
Category 9	Rinse-off body and hand products
Category 10A	Household products with mainly hand contact, excluding sprays
Category 10B	Household aerosol and spray products with possible skin exposure
Category 11A	Minimal skin transfer from inert substrates without UV exposure
Category 11B	Minimal skin transfer from inert substrates with potential UV exposure
Category 12	Products with insignificant or no direct skin contact

Use-Level Calculation

Where Peonile™ is incorporated into a fragrance concentrate, its concentration in the finished product must be calculated as follows:

Finished-product Peonile concentration =

Percentage of Peonile in fragrance concentrate
× percentage of fragrance concentrate in finished product

Example

Where:

- Peonile is used at 2% in a fragrance concentrate; and
- The fragrance concentrate is used at 20% in a finished perfume,

the finished-product concentration is:

$$2\% \times 20\% = 0.40\%$$

For IFRA Category 4, this would comply with the maximum level of 0.52%, provided no other source contributes the same restricted substance.

Maximum Level in a Fragrance Concentrate

The maximum Peonile concentration permitted in a fragrance concentrate may be calculated as:

IFRA finished-product limit ÷ fragrance dosage in finished product

Illustrative Category 4 Examples

Fragrance Dosage in Finished Product	Maximum Peonile in Fragrance Concentrate
5%	10.40%
10%	5.20%
15%	3.47%



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20%	2.60%
25%	2.08%
30%	1.73%

These examples apply only where Peonile is the sole source of alpha-cyclohexylidene benzeneacetonitrile.

Contribution from Other Sources

The responsible formulator must include Peonile or alpha-cyclohexylidene benzeneacetonitrile contributed by:

- Peonile™ from other suppliers
- Floral fragrance bases
- Rose or geranium bases
- Functional-perfumery compounds
- Proprietary fragrance mixtures
- Any other raw material containing CAS 10461-98-0

The cumulative concentration from every source must remain below the applicable finished-product maximum.

Flavour-Use Qualification

Because Categories 1 and 6 may involve incidental ingestion, compliance with the IFRA limit alone does not automatically establish suitability for flavour or oral use.

The material must also meet any applicable flavouring-safety requirements and the IOFI Code of Practice.

No food or flavour suitability is declared in this certificate.

Required Compliance Procedure

Before issuing an IFRA Certificate for a finished fragrance containing Peonile™, the responsible formulator must:

1. Confirm the material identity and CAS number.
2. Confirm the assay or concentration of Peonile in the supplied raw material.
3. Determine the percentage used in the fragrance concentrate.
4. Determine the fragrance dosage in the finished consumer product.
5. Select the correct IFRA category.



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6. Calculate Peonile contributions from all fragrance ingredients.
7. Compare the cumulative finished-product concentration with the applicable limit.
8. Review all other restricted fragrance ingredients separately.
9. Complete the finished-product safety assessment.
10. Retain the calculation and supporting supplier documentation.

Declaration

Peonile™ – Givaudan complies with the IFRA Standards, 51st Amendment, provided that:

- Its concentration does not exceed the maximum acceptable level for the applicable finished-product category.
- Contributions from all other sources are included.
- The fragrance concentrate and finished product are assessed using the correct IFRA category.
- All other IFRA-restricted ingredients in the formula are also compliant.
- A suitable safety assessment is completed for the finished consumer product.

This document:

- Applies to Peonile™, CAS 10461-98-0.
- Does not certify a finished fragrance automatically.
- Does not replace the current Givaudan IFRA declaration.
- Does not replace the official IFRA Standard.
- Must be reviewed following a formula, specification or regulatory change.

Authorised by

Fozia Khot

Director

Aromology Trading LLC