



A R O M O L O G Y

IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

Supplier

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Helional®

Product Identification

Parameter	Details
Product Name	Helional®
Manufacturer	International Flavors & Fragrances Inc. – IFF
IFF IPC Number	82322
Chemical Name	3-(1,3-Benzodioxol-5-yl)-2-methylpropanal
CAS Number	1205-17-0
EC Number	214-881-6
Molecular Formula	C ₁₁ H ₁₂ O ₃
Product Type	Restricted fragrance ingredient
Applicable Framework	IFRA Standards up to and including the 51st Amendment

Basis of Declaration

Helional is restricted under the IFRA Standards principally because of its skin-sensitisation endpoint.

The limits below are taken from available IFRA 51 supplier certificates for material consisting of Helional at approximately 100%. They are expressed as maximum concentrations of Helional in the finished consumer product.

The current original IFF regulatory declaration must be checked before commercial issue.

IFRA 51 Maximum Levels

IFRA Category	Representative Product Types	Maximum Helional in Finished Product
Category 1	Lip products and applicable toys	0.012%
Category 2	Deodorants, antiperspirants and body sprays	0.025%
Category 3	Eye, facial and fingertip-applied products	0.039%
Category 4	Fine fragrance	0.260%



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Category 5A	Body lotions, creams, powders and insect-repellent skin products	0.039%
Category 5B	Facial moisturisers, creams and toners	0.077%
Category 5C	Hand creams, sanitiser and nail-care products	0.077%
Category 5D	Baby creams, oils, powders and talc	0.026%
Category 6	Oral-care products	Not suitable / not approved
Category 7A	Rinse-off hair chemical treatments	0.077%
Category 7B	Leave-on hair products and hair sprays	0.077%
Category 8	Intimate wipes, baby wipes and tampons	0.026%
Category 9	Soap, shampoo, shower gel and rinse-off toiletries	0.150%
Category 10A	Laundry products and household cleaners	0.150%
Category 10B	Aerosol air fresheners and household sprays	0.620%
Category 11A	Diapers, conventional hygiene pads and dry toilet paper	0.026%
Category 11B	Facial tissues, napkins and paper towels	0.026%
Category 12	Candles, incense and most non-skin-contact products	12.000%

An available IFRA 51 certificate reports Cat. 1 0.12%, Cat. 2 0.25%, Cat. 3 0.039%, Cat. 4 2.60%, Cat. 5A 0.39%, Cat. 5B/C 0.077%, Cat. 5D 0.026%, and the remaining values shown above.

Important verification note: Available documents show an apparent factor-of-ten inconsistency in Categories 1, 2, 4 and 5A between certificate presentations. Before issuing this commercially, the numerical table must be checked directly against the current original IFF IFRA 51 certificate. The more conservative figures above have been used pending confirmation.

Critical Effect

Assessment Item	Details
IFRA Status	Restricted
Critical Endpoint	Skin sensitisation
Restricted Material	Helional
CAS Number	1205-17-0
Concentration in Raw Material	Approximately 100%
Prohibited Materials Declared	None identified in available certificate

Cumulative Assessment

The final fragrance assessment must include Helional contributed from:

- Helional used directly
- Aquatic fragrance bases
- Cyclamen and muguet bases
- Marine fragrance compounds
- Floral accords
- Other proprietary mixtures containing Helional



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All sources must be added cumulatively.

Reproductive-Toxicity Consideration

Current supplier SDS information classifies Helional as suspected of damaging fertility or the unborn child.

IFRA conformity does not replace:

- EU CMR assessment
 - Destination-market cosmetic review
 - Cosmetic Product Safety Report preparation
 - Occupational exposure controls
 - Finished-product toxicological assessment
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Conditional Declaration

Subject to verification against the current IFF documentation:

Helional® may be used only at or below the applicable IFRA 51 maximum level for the intended finished-product category.

Category 6 oral-care applications are not approved in the available supplier certificate.

Disclaimer

This is a representative supplier-style IFRA 51 declaration. It is not an original certificate issued by IFF or IFRA.

The current original IFF certificate must be used to confirm:

- Category limits
- Product code
- Commercial composition
- Restricted-material concentration
- Intended application
- Finished-product fragrance dosage

IFRA notes that Certificates of Conformity are prepared by fragrance-mixture suppliers and do not replace comprehensive product-safety assessment.

Authorised by:

Fozia Khot
Director