



Navy Heart Essential Oils

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IFRA COMPLIANCE DOCUMENT

Neroli Essential Oil (Steam Distilled) | IFRA 51st Amendment (June 2023)
Issue Date: May 24, 2026

PRODUCT IDENTIFICATION

Product Name	Neroli Essential Oil (Steam Distilled)
Botanical Name	Citrus aurantium (flowers)
INCI Name	Citrus Aurantium Amara (Neroli) Flower Oil
CAS Number	8016-38-4
Product Type	Essential Oil — Aromatic
Supplier	Navy Heart Essential Oils, Calgary, Alberta, Canada
IFRA Amendment	51st Amendment to the IFRA Code of Practice (published June 2023)
Document Issue Date	May 24, 2026

IFRA COMPLIANCE STATEMENT

Navy Heart Essential Oils hereby confirms that Neroli Essential Oil (steam distilled) is assessed in accordance with the IFRA 51st Amendment (June 2023). This oil is compliant for use in the product categories listed below at the maximum concentration levels stated.

Neroli essential oil has moderate IFRA limits driven primarily by linalool (~35–45%) and geraniol (~4–8%). These result in consistent limits across all leave-on categories and generous limits for rinse-off and non-skin-contact applications. Neroli is a prized luxury ingredient in perfumery and skincare.

Key restricted constituents (typical composition): Linalool 35–45% — Limonene 10–20% — Linalyl acetate 8–15% — beta-Pinene 8–12% — Geraniol 4–8% — Farnesol 1–3%.

IFRA CATEGORY USAGE LIMITS — 51ST AMENDMENT

IFRA Category	Typical Product Applications	Max. Usage Level (51st Amdt.)	Navy Heart Recommended
1	Lip products (lip balm, lipstick, lip gloss, lip scrub)	3.55%	Up to 0.5% for lip use
2	Deodorant & antiperspirant (spray, stick, roll-on)	4.58%	Up to 1.5%
3	Facial makeup, eye products, foundation, blush	7.96%	Up to 1%
4	Hair leave-on (hair oil, hair serum, scalp treatment)	7.96%	Up to 3%
5A	Body leave-on: body lotion, butter, oil, cream	7.96%	Up to 2%
5B	Face leave-on: facial moisturiser, face cream, serum, toner	7.96%	Up to 1%
5C	Hand leave-on: hand cream, hand lotion, cuticle cream	7.96%	Up to 1.5%
5D	Baby leave-on: baby lotion, baby oil, baby cream, diaper cream	7.96%	Up to 0.5%
6	Intimate wipes, feminine hygiene products	7.96%	Up to 0.5%
7A	Rinse-off body: shower gel, body wash, shampoo, bath products	7.96%	Up to 3%
7B	Rinse-off hair: conditioner, hair mask, hair rinse	7.96%	Up to 2%
8	Intimate leave-on with anogenital exposure	7.96%	Up to 0.5%
9	Rinse-off: bar soap, body wash, scrubs, bath bombs	Not Limited	Up to 3%
10A	Home fragrance: reed diffusers, pot pourri, sachets	Not Limited	Up to 5%
10B	Room spray, linen spray, air freshener spray	Not Limited	Up to 3%
11A	Fabric treatment rinse-off (fabric softener, laundry detergent)	7.96%	Up to 2%
11B	Fabric treatment leave-on (dryer sheets, pillow spray)	7.96%	Up to 2%
12	Non-skin contact: candles, wax melts, incense	Not Limited	Up to 8%

Note: Maximum usage levels are calculated based on linalool (~45%) as the primary limiting constituent using IFRA 51st Amendment limits. Farnesol and geraniol were verified as non-limiting at typical neroli concentrations.

COLOUR KEY

Green	Not Limited — no IFRA restriction in this category.
White	Standard limit applies — use at or below the stated maximum.
Amber	Use with extra caution — sensitive area (lips, baby, intimate). Lower recommended levels apply.
Red	Not Approved / 0% — not permitted in this category.

ADDITIONAL FORMULATION NOTES

Soap makers (Category 9):

Neroli is not limited in soap at practical usage levels. Up to 3% is recommended. As a premium oil, lower usage rates (1–2%) are economically practical. Delicate, floral-citrus character. Popular in luxury soap and perfumed body bars.

Leave-on products:

Limits of ~8.78% across all Category 5 sub-categories allow comfortable use at typical cosmetic levels (0.5–2%). Neroli's skin-calming reputation makes it popular in facial serums and toners.

Phototoxicity:

Neroli essential oil is not phototoxic. No sun-exposure precautions required.

vs. Petitgrain:

Neroli (flowers) and petitgrain (leaves/twigs) from the same tree (*Citrus aurantium*) have different IFRA profiles. These limits apply to neroli flower oil only.

Disclaimer: This IFRA compliance document is prepared in good faith based on known typical constituent data for this essential oil and the IFRA 51st Amendment (June 2023). Usage limits are based on typical composition ranges and information derived from supplier testing. It is the responsibility of the formulator to verify compliance for their specific formulation. Navy Heart Essential Oils makes no warranty as to the accuracy or completeness of this information. Always perform your own safety assessment before use in consumer products.

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