



Navy Heart Essential Oils

Calgary, Alberta, Canada

Tel: +1 (403) 901-6428 | navyheart.ca@gmail.com | navyheart.ca

IFRA COMPLIANCE DOCUMENT

Tea Tree Essential Oil (Steam Distilled) | IFRA 51st Amendment (June 2023)

Issue Date: May 24, 2026

PRODUCT IDENTIFICATION

Product Name	Tea Tree Essential Oil (Steam Distilled)
Botanical Name	Melaleuca alternifolia
INCI Name	Melaleuca Alternifolia (Tea Tree) Leaf Oil
CAS Number	68647-73-4
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 Tea Tree 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.

Tea tree essential oil has restrictive IFRA limits in most skin-contact categories, particularly for face products (Category 5B: 0.21%) and baby products (Category 5D: 0.06%). The limiting constituent is terpinen-4-ol and its related monoterpenoids. Despite this, tea tree is unrestricted for candles (Category 12) and has workable limits for soap (Category 9: 1.70%).

Key restricted constituents (typical composition): Terpinen-4-ol 35–45% — gamma-Terpinene 15–25% — alpha-Terpinene 8–12% — 1,8-Cineole (max 15% per specification) — para-Cymene 2–6%.

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)	0.42%	Up to 0.2%
2	Deodorant & antiperspirant (spray, stick, roll-on)	1.50%	Up to 0.7%
3	Facial makeup, eye products, foundation, blush	0.42%	Up to 0.2%
4	Hair leave-on (hair oil, hair serum, scalp treatment)	11.00%	Up to 1%
5A	Body leave-on: body lotion, butter, oil, cream	1.50%	Up to 0.75%
5B	Face leave-on: facial moisturiser, face cream, serum, toner	0.21%	Up to 0.1%
5C	Hand leave-on: hand cream, hand lotion, cuticle cream	0.42%	Up to 0.2%
5D	Baby leave-on: baby lotion, baby oil, baby cream, diaper cream	0.06%	Not recommended for baby products
6	Intimate wipes, feminine hygiene products	1.00%	Up to 0.3%
7A	Rinse-off body: shower gel, body wash, shampoo, bath products	0.42%	Up to 0.2%
7B	Rinse-off hair: conditioner, hair mask, hair rinse	0.42%	Up to 0.2%
8	Intimate leave-on with anogenital exposure	0.06%	Not recommended
9	Rinse-off: bar soap, body wash, scrubs, bath bombs	1.70%	Up to 1.5%
10A	Home fragrance: reed diffusers, pot pourri, sachets	0.62%	Up to 0.3%
10B	Room spray, linen spray, air freshener spray	2.10%	Up to 1%
11A	Fabric treatment rinse-off (fabric softener, laundry detergent)	0.06%	Up to 0.03%
11B	Fabric treatment leave-on (dryer sheets, pillow spray)	0.06%	Up to 0.03%
12	Non-skin contact: candles, wax melts, incense	66.00%	Up to 8%

Note: Maximum usage levels are sourced from an IFRA 51st Amendment Certificate of Conformity for Tea Tree Essential Oil (Melaleuca alternifolia). Usage limits are based on typical composition ranges and information derived from supplier testing.

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):

Tea tree is limited to 1.70% maximum in soap — 2% is slightly over the limit, so 1.5% is the recommended Navy Heart level. The clean, medicinal, antiseptic character is extremely popular in soap. Anti-bacterial claims are common. Well-behaved in cold process soap with no acceleration.

Face leave-on products — important:

The Category 5B (face) limit of 0.21% is very restrictive. Facial moisturisers and serums should use tea tree at 0.1–0.2% maximum to remain compliant. At these levels, the antiseptic benefit is meaningful.

Baby products:

The 0.06% limit for baby products is extremely low. Navy Heart does not recommend using tea tree essential oil in any baby product formulation.

Phototoxicity:

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

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.

Navy Heart Essential Oils | Calgary, AB, Canada | navyheart.ca | navyheart.ca@gmail.com | +1 (403) 901-6428