



Certificate of analysis

Product: Naticide
Batch Number: 4428015
Best Before End: March 2023

PRODUCT

NATICIDE

DETERMINATIONS	RESULTS	IN-HOUSE LIMITS
Organoleptic Control MCQC01 <i>Aspect</i> <i>Color</i> <i>Odor</i>	Complies Complies Complies	Clear liquid from colourless to Pale yellow Complies
Refractive Index MCQC14 <i>Refractive Index</i>	1.509	min. 1,491 max. 1,516
IR MCQC29 <i>IR identification</i>	Complies	Complies
Total Count MCQC22 <i>Total Count</i> <i>TAMC</i> <i>TYMC</i>	0 UFC 0 UFC 0 UFC	n.m.t. 100 UFC n.m.t. 100 UFC n.m.t. 10 UFC
Pathogens Research MCQC27 <i>St. Aureus Research</i> <i>Ps. Aeruginosa Research</i> <i>Candida Albicans Research</i>	Absent/1g Absent/1g Absent/1g	Absent/1g Absent/1g Absent/1g

This Certificate of Analysis has been issued electronically without signature

IFRA STATEMENT

According to our current knowledge and to our suppliers' declarations, we hereby certify that the product

NATICIDE

(INCI: Parfum)

is restricted by the Standards of the International Fragrance Association (IFRA, 48th Amendment published on June 2015), provided it is used at the following maximum concentration levels in the finished product*:

IFRA Category	Maximum concentration level (%)
Category 1 (Lip Products)	28%
Category 2 (Deodorants/Antiperspirants)	28%
Category 3A, 3B, 3C, 3D (Hydroalcoholics for Shaved Skin/Baby Creams, Lotions, Oils)	71%
Category 4A, 4B, 4C, 4D (Hydroalcoholics for Unshaved Skin)	71%
Category 5 (Hand Cream/Baby Powder and Talc)	71%
Category 6 (Mouthwash)	100%
Category 7A, 7B (Intimate Wipes/Baby Wipes)	57%
Category 8A, 8B (Hair Styling Aids)	71%
Category 9A, 9B, 9C (Rinse-off Hair Conditioners/Shampoos of all types (including baby shampoos)/ Body Washes of all types (including baby washes)	71%
Category 10A, 10B (Hard Surface Cleaners)	71%
Category 11 (Candles)	100%

*The concentration of the fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product. For further details, please refer to the suggested dosage in technical data sheet.

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

LIST OF ALLERGENS

List of Allergens listed in Annex III of Cosmetics Regulation (EC) N. 1223/2009 concerning the product:

NATICIDE
(INCI: Parfum)

ALLERGENS	RESULT	UNIT OF MEASURE	LQ	METHOD
2-(4-Tert-Butylbenzyl)Propionaldehyde (lilial) [80-54-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Alpha-cetone [127-51-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Amyl Cinnamal [122-40-7]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Amylcinnamyl Alcohol [101-85-9]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Anisyl Alcohol [105-13-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Alcohol [100-51-6]	< LQ	mg/kg	20	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Benzoate [120-51-4]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Cinnamate [103-41-3]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Salicylate [118-58-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Beta-Myrcene [123-35-3]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Cinnamal [104-55-2]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Cinnamyl Alcohol [104-54-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Citral [5392-40-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Citronellol [106-22-9]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Coumarin [91-64-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Eugenol [97-53-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Farnesol [4602-84-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Geraniol [106-24-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hexyl Cinnamaldehyde [101-86-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hydroxy-Citronellal [107-75-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hydroxymethylpentylcyclohexenecarboxaldehyde (HMPCCA) [31906-04-4]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Isoeugenol [97-54-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Limonene [5989-27-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Linalool [78-70-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Methylheptin Carbonate [111-12-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS



GMO Statement

PRODUCT NAME: Naticide

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

06/03/2019



EUROPEAN PRODUCT SAFETY SHEET
Regulation n° 1907/2006/EC ; n° 453/2010/CE

NATICIDE®

SS2001100005 Rev. UK-6 X/2012

Use: raw material for cosmetics

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 TRADE NAME : NATICIDE
- 1.2 Chemical description of the substance or formula : Vegetable origin fragrance, obtained with particular and reserved procedure
- 1.3 Use of the substance or formula: raw material for cosmetics
- 1.4 Supplier MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA
Approved sellers: Mystic Moments, New Directions, World of Moulds
- 1.5 Department responsible :
- 1.6 Emergency calls Tel. 01425 653574

2. HAZARDS

- 2.1 If correctly handled, it is not hazardous to humans or to the environment substance
- 2.2 Excluded from all EEC hazard categories, and requires no special labeling

3. COMPOSITION AND INGREDIENT INFORMATION

Product doesn't contain any hazardous substance according to European regulation

- | | | |
|-----|------------------|----------------------------|
| 3.1 | Chemical nature: | Microbial growth inhibitor |
| 3.2 | CAS number: | ----- |
| 3.3 | EINECS number: | ----- |
| 3.4 | INCI name (UE): | Parfum |
| 3.5 | INCI name (USA): | Fragrance |

4. FIRST AID

- 4.1 This is a non-toxic substance for which no special first aid measures are indicated.
- 4.2 In case of contact with eyes, flush with plenty of water for 15 minutes.
- 4.3 In case of ingestion, seek medical advice.

5. FIRE-FIGHTING MEASURES

- Normal extinguishing agents:
- 5.1 Sand
 - 5.2 Carbon dioxide
 - 5.3 Foam
 - 5.4 Sprinklers

6. ACCIDENTAL LEAKAGE MEASURES

- 6.1 Collect with absorbent material (sawdust or sand) and dispose of as required by law

7. STORAGE AND HANDLING

It is not requested any particular device

7.1	Handling:	Normal personal protection devices: gloves, safety glasses
7.2	Storage:	In well sealed containers, in a cool, dark place
7.3	Type of container:	Dark polyethylene containers

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Non-hazardous substance, see no. 4 and no 7 above.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Color and appearance:	clear liquid, from colourless to amber yellow
9.2	Odor:	pleasant odor of Almond and Vanilla
9.3	pH :	----
9.4	Flash point:	>100°C
9.5	Solubility: Water solubility:	up to 0.6%; complete in glycols and alcohol
	Oil solubility:	Low
9.6	Refractive Index:	1.491 – 1.516

10. STABILITY AND REACTIVITY

10.1 The substance is stable and poses no threat of hazardous reaction under the storage conditions specified at no. 7 above.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity (acute oral):	> 2000 mg/kg
11.2	Skin irritation:	Not irritating
11.3	Eye irritation:	Not irritating
11.4	Skin sensitization:	Not irritating

12. ENVIRONMENTAL IMPACT

12.1 Environmentally innocuous

13. DISPOSAL

13.1 The instructions given at no. 6 above ensure safe disposal.

14. TRANSPORTATION

14.1 Road - rail - sea - air
14.2 The substance is not subject to any specific national or international transport regulations

15. REGULATORY INFORMATIONS

- 15.1 It is a non-hazardous substance and thus requires no special labeling.
- 15.2 According to European directive 67/548/EEC 27.06.1967 and 99/45/CE and further modifications and Italian Law (Legislative Decree n°52/97 of 03.02.1997 (G.U. n°58 of 11.03.1997) and further modifications: none of criteria (explosive, combustible, highly flammable, inflammable, very toxic, harmful, corrosive, irritant, sensitizing, carcinogenic, harmful to reproduction, teratogenic, harmful to the environment) is to be applied to any of the substances composing the compound.
- 15.3 Different regulatory:
According to European directive 76/768/EEC 27.07.1976 and 99/45/CE and further modifications and Italian Law no. 713/86 of 10 October 1986 and Legislative Decree n°126/97 of 24.04.1997 and further modifications
No limits on use

16. OTHER INFORMATION

- NATICIDE is a vegetable derived substance with emollient, moisturizing and soothing action. for cosmetic use
- 16.1 In accordance to EU directive 67/548 and n° Regulation n°453/2010/CE, none of criteria (explosive, combustible, highly flammable, inflammable, very toxic, harmful, corrosive, irritant, sensitizing, carcinogenic, harmful to reproduction, teratogenic, harmful to the environment) is to be applied to any of the substances composing the compound
- 16.2 Compatible with all the substances normally used in cosmetics

These information are based on actual level of knowledge.
Their aim is to guarantee particular specifications of product itself.



NATICIDE[®]

a registered trademark of Sinerga

Microbial growth inhibitor

Chemical Nature	Vegetable origin Fragrance, obtained with particular and reserved procedure. Components are standardized and tritated. Formulated according to IFRA recommendations	
INCI name (UE)	Parfum - Profumo	
INCI name (USA)	Fragrance	
Physical-chemical data	Appearance:	clear liquid
	Colour:	from colourless to amber yellow
	Odour:	pleasant odour of Almond and Vanilla
	Solubility :	dispersible in water up to 0.6%; complete in glycole and alcohol
	Refraxion Index:	1.491 – 1.516
Antimicrobial Activity (MIC)	Broad spectrum of activity against Bacteria Gram+ e Gram-, moulds and yeasts.	
Application	Preservative-free creams and detergents	
Stability	Stable in normal conditions of storage	
Suggested dosage	From 0.3% to 1% depending to the type of formulations Naticide [®] works better between a range of pH 4 and 9. In order to obtain a complete dispersion, add Naticide under vigorous stirring. Regarding emulsions, divide amount of Naticide [®] among the idrophylic and lipophylic phase	
Storage	Keep product away from light and store in an air-tight container	
Toxicological data	1. Oral acute toxicity	≥ 2000 mg/kg
	2. Skin irritation	not irritant
	3. Eye irritation <i>in vitro</i> (Het Cam test)	not irritant
	4. Skin sensitization	not irritant



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Naticide**

MADAR Corporation Limited can confirm that the above listed product does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.