



CERTIFICATE OF ANALYSIS

DEWBERRY FRAGRANCE

Batch No.: 4346801

Best Before End: January 2022

Analysis Description	Minimum Value	Maximum Value	Result	Compliance
Appearance			Clear mobile liquid	Pass
Colour			Colourless to yellow	Pass
Odour			Charac. berry fruit	Pass
Specific Gravity at 20°C	0.979	1.039	0.994	Pass
Refractive Index at 20°C	1.417	1.467	1.449	Pass

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.



DECLARATION OF ALLERGENS

PRODUCT	Dewberry Fragrance
PRODUCT CODE	OFDEWB

MATERIAL	CAS NUMBER	TOTAL ALLERGEN INCLUSION LEVEL (%)
AMYL CINNAMAL	122-40-7	
BENZYL ALCOHOL	100-51-6	
CINNAMYL ALCOHOL	104-54-1	
CITRAL	5392-40-5	0.0053
EUGENOL	97-53-0	0.0002
HYDROXYCITRONELLAL	107-75-5	0.2450
ISO EUGENOL	97-54-1	0.0001
AMYL CINNAMYL ALCOHOL	101-85-9	
BENZYL SALICYLATE	118-58-1	0.0012
CINNAMAL	104-55-2	
COUMARIN	91-64-5	
GERANIOL	106-24-1	0.1649
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.1710
ANISE ALCOHOL	105-13-5	
BENZYL CINNAMATE	103-41-3	
FARNESOL	4602-84-0	0.0005
BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.0240
LINALOOL	78-70-6	0.0403
BENZYL BENZOATE	120-51-4	0.0013
CITRONELLOL	106-22-9	0.4475
HEXYL CINNAMAL	101-86-0	
LIMONENE	5989-27-5	0.3339
METHYL 2-OCTYNOATE	111-12-6	
ALPHA-ISOMETHYL IONONE	127-51-5	0.0019
EVERNIA PRUNASTRI EXTRACT	90028-68-5	
EVERNIA FURFURACEA EXTRACT	90028-67-4	



IFRA CONFORMITY CERTIFICATE

Product: Dewberry Fragrance

Product code: OFDEWB

We certify that the above material complies with the Standards of the International Fragrance Association (IFRA), amendment 47, published in June 2013, provided it is used in the following classes at a maximum concentration level of:

Combined IFRA Category	Maximum level of use (% w/w)
Class 1.A	See note 1
Class 1.B	11.69
Class 2	11.69
Class 3.A	100.00
Class 3.B	100.00
Class 3.C	100.00
Class 3.D	100.00
Class 4.A	100.00
Class 4.B	100.00
Class 4.C	100.00
Class 4.D	100.00
Class 5	100.00
Class 6	See note 1
Class 7.A	11.69
Class 7.B	11.69
Class 8.A	100.00
Class 8.B	100.00
Class 9.A	100.00
Class 9.B	100.00
Class 9.C	100.00
Class 10.A	100.00
Class 10.B	100.00
Class 11.A	See note 2
Class 11.B	See note 2



For other kinds of applications a new evaluation may be needed.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Category 11 includes all non-skin contact products. Due to the negligible skin contact from these types of products there is no justification for a restriction of this product in the finished product.

Date: 26/11/2014

ANNEX: Definition of IFRA Classes

Finished product types	IFRA class
Toys	Class 1A
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, lip wax etc...),	Class 1B
Waxes for mechanical hair removal	Class 2
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...)	Class 2
Fragranced bracelets	Class 3.A
Hydroalcoholic products applied to recently shaved skin (EdT range)	Class 3.B
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	Class 3.C
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...)	Class 3.C
Men's Facial Creams, Balms. Baby creams, Lotions, Oils Body paint for children	Class 3.C
Tampons	Class 3.D
Hydroalcoholic Products applied to unshaved skin (EdT range)	Class 4.A
Ingredients of Perfume Kits, Scent Strips for Hydroalcoholic Products.	Class 4.A
Hydroalcoholic Products applied to unshaved skin, Fine Fragrance range	Class 4.B
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc...). Hair Deodorant Body Creams, Oils, Lotions of all types (except baby creams, lotions, oils)	Class 4.C
Fragrance Compounds for Cosmetic Kits, Foot Care Products	Class 4.C
Fragrancing Creams of all types	Class 4.D
Women's Facial Creams/Facial Make-up/Facial Wipes. Facial Masks, Hand Cream, Baby Powder Hair permanent & other hair chemical treatments (e.g. relaxers) but not hair dyes Wipes or refreshing tissues for Face, Neck, Hands, Body Dry shampoo or waterless shampoo	Class 5
Mouthwash, including breath sprays Toothpaste	Class 6
Intimate Wipes, Baby Wipes	Class 7A
Insect repellent (intended to be applied to skin)	Class 7B
Make-up Removers of all types (not including face cleansers)	Class 8A
Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...)	Class 8A
Nail Care, all Powders & Talcs (NOT including baby powders and talcs)	Class 8A
Hair dyes	Class 8B
Liquid Soap, Bar Soap (toilet soap), Depilatory, Conditioner (rinse-off), Shampoos of all types (including baby shampoos) Face Cleansers of all types (washes, gels, scrubs, etc...) Shaving Creams of all types (stick, gels, foams, etc...) Depilatory Body Washes of all types (including baby washes) and Shower Gels of all types Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater Bar soap (Toilet soap)	Class 9.A
Feminine pads/Liners Toilet paper Wheat bags	Class 9.B
Facial tissues, Napkins, Paper towels Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling	Class 9.C

<p>Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc...) including Laundry Bleaches and concentrates</p> <p>Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc...), Dry Cleaning Kits</p> <p>Fabric Softeners of all types including softener sheets. Hand Dishwashing Detergent including Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...), Shampoos for pets</p>	<p>Class 10.A</p>
<p>Diapers.</p> <p>Toilet seat wipes</p>	<p>Class 10.B</p>
<p>All non-skin contact, including:</p> <p>Air Fresheners and fragrancing of all types (excluding aerosol products): concentrated aerosol air fresheners, plug-ins, solid substrate, membrane delivery; Toilet blocks; Joss Sticks, Incense; Insecticides (mosquito coil, paper, electrical, etc...excluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints. Fragranced lamp ring. Scent pack. Floor wax</p> <p>Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization).</p> <p>Air delivery systems.</p>	<p>Class 11.A</p>
<p>All incidental skin contact, including:</p> <p>Machine Dish wash Detergents and Deodorizers. Machine only Laundry Detergents (e.g. liquitabs)</p> <p>Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder)</p> <p>Pot pourri, fragrancing sachets, liquid refills for air fresheners, etc...</p> <p>Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles ; Odored Distilled Scratch and Sniff (sampling technology)</p> <p>Infused socks</p>	<p>Class 11.B</p>



MATERIAL SPECIFICATION

DEWBERRY FRAGRANCE

Product: OFDEWB

Analysis Description	Minimum Value	Maximum Value	Description
Appearance			Clear mobile liquid
Colour			Colourless to yellow
Odour			Charac. berry fruit
Specific Gravity at 20°C	0.979	1.039	
Refractive Index at 20°C	1.417	1.467	

Issue Date: 26/11/14

Shelf Life: 24 Months

Revision: 0

Revision Date: 26/06/14

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective; the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions, see SDS, in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the the products in any way.



SAFETY DATA SHEET DEWBERRY FRAGRANT OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name DEWBERRY FRAGRANT OIL

Product number OFDEWB

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Concentrated material for manufacturing purposes only.

1.3. Details of the supplier of the safety data sheet

Supplier BiOrigins
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA
Approved sellers: Mystic Moments, New Directions, World of Moulds
+44 (0) 1425 653574
+44 (0) 1425 658182

Contact person Regulatory Manager

1.4. Emergency telephone number

Emergency telephone +44 (0) 0425 653574 Office Hours are 09:00 - 16:30 weekdays only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xi; R38. N; R51/53. R43

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.

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Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
Contains	<p>4-TERT-BUTYLCYCLOHEXYL ACETATE, GERANIOL, LIMONENE, ACETYLCEDRENE, AMYL CINNAMAL, BENZYL SALICYLATE , HEXYL CINNAMAL, BUTYLPHENYL METHYLPROPIONAL, CITRONELLOL, DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE</p>
Supplementary precautionary statements	<p>P261 Avoid breathing vapour/spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

LINALOOL	1-5%
CAS number: 78-70-6	EC number: 201-134-4
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi; R36/38
Eye Irrit. 2 - H319	
LIMONENE	1-5%
CAS number: 138-86-3	EC number: 205-341-0
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn; R65. Xi; R38. N; R50/53. R10, R43
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
GERANIOL	1-5%
CAS number: 106-24-1	EC number: 203-377-1
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi; R41, R38. R43
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	

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4-TERT-BUTYLCYCLOHEXYL ACETATE		1-5%
CAS number: 32210-23-4		EC number: 250-954-9
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Sens. 1B - H317	R43	
AMYL CINNAMAL		1-5%
CAS number: 122-40-7		EC number: 204-541-5
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	N; R51/53. R43	
ACETYLCEDRENE		1-5%
CAS number: 32388-55-9		EC number: 251-020-3
M factor (Acute) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	N; R50/53. R43	
2-T-BUTYLCYCLOHEXYL ACETATE		1-5%
CAS number: 88-41-5		EC number: 283-493-7
Classification	Classification (67/548/EEC or 1999/45/EC)	
Aquatic Chronic 2 - H411	N; R51/53	
A-TERPINYL ACETATE		1-5%
CAS number: 80-26-2		EC number: 201-265-7
Classification	Classification (67/548/EEC or 1999/45/EC)	
Aquatic Chronic 2 - H411	N; R51/53	
BUTYLPHENYL METHYLPROPIONAL		<1%
CAS number: 80-54-6		EC number: 201-289-8
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Repr. 2 - H361 Aquatic Chronic 2 - H411	Xn; R22. Xi; R38. Repr. Cat. 3 R62, R63. N; R51/53. R43	

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HEXYL CINNAMAL <1%	
CAS number: 101-86-0	EC number: 202-983-3
M factor (Acute) = 1	
Classification Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N; R50, R51/53. R43
BENZYL SALICYLATE <1%	
CAS number: 118-58-1	EC number: 204-262-9
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317 STOT RE 2 - H373 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn; R48/22. Xi; R36. R43, R52/53
HEXAMETHYLINDANOPYRAN <1%	
CAS number: 1222-05-5	EC number: 214-946-9
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) N; R50/53
DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE <1%	
CAS number: 27939-60-2	EC number: 248-742-6
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38. R43, R52/53
CITRONELLOL <1%	
CAS number: 106-22-9	EC number: 203-375-0
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38. N; R51/53. R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Toxic gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.
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DEWBERRY FRAGRANT OIL

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.
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7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless. to Yellow.
Odour	Characteristic.
Flash point	> 70°C
Relative density	~ 1.009 @ 20°C

DEWBERRY FRAGRANT OIL

9.2. Other information

Refractive index ~ 1.442 @ 20°C

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin contact Causes skin irritation. May cause sensitisation by skin contact.

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

LIMONENE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

ACETYLCEDRENE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

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Degradability Rapidly degradable

12.2. Persistence and degradability

Persistence and degradability The product contains substances which are not expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS A-TERPINYL ACETATE, LIMONENE)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS A-TERPINYL ACETATE, LIMONENE)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS A-TERPINYL ACETATE, LIMONENE)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS A-TERPINYL ACETATE, LIMONENE)

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M6

ADR/RID label 9

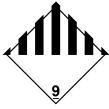
IMDG class 9

ICAO class/division 9

ADN class 9

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Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

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SECTION 16: Other information

Key literature references and sources for data	European Chemicals Agency, http://echa.europa.eu/
Issued by	Regulatory Manager
Revision date	14/08/2015
Revision	1
Risk phrases in full	<p>R10 Flammable.</p> <p>R22 Harmful if swallowed.</p> <p>R36 Irritating to eyes.</p> <p>R36/38 Irritating to eyes and skin.</p> <p>R38 Irritating to skin.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R43 May cause sensitisation by skin contact.</p> <p>R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.</p> <p>R50 Very toxic to aquatic organisms.</p> <p>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R62 Possible risk of impaired fertility.</p> <p>R63 Possible risk of harm to the unborn child.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p>
Hazard statements in full	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H361 Suspected of damaging fertility or the unborn child.</p> <p>H373 May cause damage to organs (Spleen) through prolonged or repeated exposure if swallowed.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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