

CERTIFICATE OF ANALYSIS

Product Name	Lily Of The Valley
Product Type	Fragrance Oil
Product Code	OFLILYOFTHEVALL
Batch No	4382903
Production Date	December 2019
Best Before End	December 2022

Tests	Specifications	Results
Odour	According to Standard	Conforms
Appearance	Clear Liquid	Conforms
Solubility in water (10%)	Insoluble	Conforms
Solubility in other solvents (10%)	Soluble in Ethyl alcohol	Conforms

StorageStore in well sealed containers in cool, dry, dark place. Ideal temperature between 15-20
degrees Centigrade (59-70 degrees Fahrenheit).

Shelf Life

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 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 effect the quality and efficacy of the products in any way.

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk



DECLARATION OF ALLERGENS

LILY OF THE VALLEY FRAGRANCE

Material	CAS Number	Total Allergen Inclusion Level (%)
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	0.004
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	0.009
BENZYL BENZOATE	120-51-4	0.014
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	0.008
BUTYLPHENYL METHYLPROPIONAL	80-54-6	4.600
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
CITRONELLOL	106-22-9	-
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	7.987
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISO EUGENOL	97-54-1	-
LIMONENE	5989-27-5	-
LINALOOL	78-70-6	5.001
METHYL 2-OCTYNOATE	111-12-6	-

Revision Date: 10/07/2017 Revision: 0



STATEMENT ON GENETICALLY MODIFIED ORGANISMS

LILY OF THE VALLEY FRAGRANCE

We confirm to the best of our knowledge that the above product sold by MADAR Corporation Limited does not contain, nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.

21/04/2020



IFRA CONFORMITY CERTIFICATE LILY OF THE VALLEY FRAGRANCE

We certify that the above material complies with the Standards of the International Fragrance Association (IFRA), amendment 48, published in June 2015, 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	N/A
Class 1.B	N/A
Class 2	3.26
Class 3.A	13.47
Class 3.B	13.47
Class 3.C	13.47
Class 3.D	13.47
Class 4.A	40.43
Class 4.B	40.43
Class 4.C	40.43
Class 4.D	40.43
Class 5	21.30
Class 6	N/A
Class 7.A	6.73
Class 7.B	6.73
Class 8.A	25.04
Class 8.B	25.04
Class 9.A	62.60
Class 9.B	62.60
Class 9.C	62.60
Class 10.A	31.30
Class 10.B	31.30
Class 11.A	100.00 (See Note 1)
Class 11.B	100.00 (See Note 1)

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: Trials must be performed to satisfy suitability for specified application Revision Date: 10/07/2017 Revision: 0

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),	
Waxes for mechanical hair removal	Class 1B
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc)	Class 2
Fragranced bracelets	
Hydroalcoholic products applied to recently shaved skin (EdT range)	Class 3.A
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	Class 3.B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc)	
Men's Facial Creams, Balms.	Class 3.C
Baby creams, Lotions, Oils	Class 5.C
Body paint for children	
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	
Fragrancing Creams of all types	Class 4.D
Women's Facial Creams/Facial Make-up/Facial Wipes. Facial Masks, Hand Cream, Baby Powder & Talc	
Hair permanent & other hair chemical treatments (e.g. relaxers) but not hair dyes	
Wipes or refreshing tissues for Face, Neck, Hands, Body	Class 5
Dry shampoo or waterless shampoo	
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)	
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)	
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,	
Depilatory	Class 9.A
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)	
Feminine pads/Liners	
Toilet paper	Class 9.B
Wheat bags	
Facial tissues, Napkins, Paper towels	
Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids	Class 9.C
Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc) including Laundry Bleaches and concentrates	
Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc), Dry Cleaning Kits	Class 10.A
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	
Diapers.	
	Class 10.B

All non-skin contact, including:	
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, etcexcluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints. Fragranced lamp ring. Scent pack. Floor wax	Class 11.A
Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization).	
Air delivery systems.	
All incidental skin contact, including:	
Machine Dish wash Detergents and Deodorizers. Machine only Laundry Detergents (e.g. liquitabs)	
Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder)	
Pot pourri, fragrancing sachets, liquid refills for air fresheners, etc	Class 11.B
Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles ; Odored Distilled Water	
Scratch and Sniff (sampling technology)	
Infused socks	



SAFETY DATA SHEET LILY OF THE VALLEY FRAGRANCE

SECTION 1: Identification	n of the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	LILY OF THE VALLEY FRAGRANCE
Product code	OFLILYVALL
1.2. Relevant identified u	ses of the substance or mixture and uses advised against
Identified uses	Concentrated material for manufacturing purposes only.
1.3. Details of the supplie	r of the safety data sheet
Supplier	
Cuppilol	MADAR Corporation Limited
	19-20 Sandleheath Industrial Estate
	Fordingbridge
	Hampshire
	SP6 1PA
	+44 (0) 1425 655555
Contact person	Regulatory Manager
1.4. Emergency telephon	e number
Emergency telephone	+44 (0) 1425 655555 Office Hours are 09:00 - 16:30 weekdays only
SECTION 2: Hazards ide	
	ntification
SECTION 2: Hazards ide	ntification substance or mixture
SECTION 2: Hazards ide	ntification substance or mixture
SECTION 2: Hazards ide 2.1. Classification of the Classification (EC 1272/2	ntification substance or mixture 008)
SECTION 2: Hazards ide 2.1. Classification of the s Classification (EC 1272/2 Physical hazards	ntification substance or mixture 008) Not Classified
SECTION 2: Hazards ide 2.1. Classification of the s Classification (EC 1272/2 Physical hazards Health hazards	ntification substance or mixture 008) Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361
SECTION 2: Hazards ide 2.1. Classification of the s Classification (EC 1272/2 Physical hazards Health hazards Environmental hazards 2.2. Label elements	ntification substance or mixture 008) Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361
SECTION 2: Hazards ide 2.1. Classification of the s Classification (EC 1272/2 Physical hazards Health hazards Environmental hazards	ntification substance or mixture 008) Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361
SECTION 2: Hazards ide 2.1. Classification of the s Classification (EC 1272/2 Physical hazards Health hazards Environmental hazards 2.2. Label elements	ntification substance or mixture 008) Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361

Precautionary statements	 P202 Do not handle until all safety precautions have been read and understood. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P391 Collect spillage.
Contains	BUTYLPHENYL METHYLPROPIONAL, HEXYL SALICYLATE, HEXYL CINNAMAL, CYCLAMEN ALDEHYDE
Supplementary precautionary statements	 P201 Obtain special instructions before use. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/ attention. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

3.2. Mixtures	
BENZYL ACETATE	5-
CAS number: 140-11-4	EC number: 205-399-7
Classification	Classification (67/548/EEC or 1999/45/EC)
Aquatic Chronic 3 - H412	R52/53
HEXAMETHYLINDANOPYRAN	5-
CAS number: 1222-05-5	EC number: 214-946-9
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	Classification (67/548/EEC or 1999/45/EC)
Aquatic Acute 1 - H400	N; R50/53
Aquatic Chronic 1 - H410	
BUTYLPHENYL METHYLPROPIONAL	5-
CAS number: 80-54-6	EC number: 201-289-8
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn; R22. Xi; R38. Repr. Cat. 3 R62, R63. N; R51/53. R43
or	
Skin Irrit. 2 - H315	
Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Repr. 2 - H361	

LINALOOL		5-10%
CAS number: 78-70-6	EC number: 201-134-4	0-1076
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38	
TETRAHYDROLINALOOL		5-10%
CAS number: 78-69-3	EC number: 201-133-9	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38	
PHENYLETHYL ALCOHOL		5-10%
CAS number: 60-12-8	EC number: 200-456-2	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R36	
HEXYL SALICYLATE		5-10%
CAS number: 6259-76-3	EC number: 228-408-6	
M factor (Acute) = 1		
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38. N; R50/53. R43	
HEXYL CINNAMAL		1-5%
CAS number: 101-86-0 M factor (Acute) = 1	EC number: 202-983-3	1-076
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	
TERPINEOL		1-5%
CAS number: 8000-41-7	EC number: 232-268-1	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38	

CYCLAMEN ALDEHYDE	1-5%	
CAS number: 103-95-7	EC number: 203-161-7	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xi; R38. R43, R52/53	
CIS-3-HEXENYL SALICYLA	۲E <1%	
CAS number: 65405-77-8 M factor (Acute) = 1	EC number: 265-745-8	
Classification Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) N; R50	
The Full Text for all R-Phrases	and Hazard Statements are Displayed in Section 16.	
SECTION 4: First aid measure	95	
4.1. Description of first aid me	asures	
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.	
4.3. Indication of any immedia	te medical attention and special treatment needed	
Notes for the doctor	No specific recommendations.	
SECTION 5: Firefighting meas	sures	
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	om the substance or mixture	
Specific hazards	Toxic gases or vapours.	
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	e measures	
6.1. Personal precautions, pro	tective 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.	
6.2. Environmental precaution	<u>s</u>	
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.	
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.	
6.4. Reference to other section		
SECTION 7: Handling and sto	rage	
7.1. Precautions for safe hand	ling	
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.	
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

AppearanceLiquid.ColourColourless. to Light (or pale). Green. / Yellow.OdourCharacteristic.Flash point> 70°CRelative density- 0.986 @ 20°C9.2. Other information- 1.469 @ 20°CSECTION 10: Stability and rezerve- 1.469 @ 20°CSECTION 10: Stability and rezerve- 1.469 @ 20°CStability Chemical stability- 1.469 @ 20°C10.1. Reactivity 10.2. Chemical stability- 1.469 @ 20°CStability of hazardousWill not polymerise.reactions- 1.469 @ 1.000010.3. Possibility of hazardous reactionsWill not polymerise.Possibility of hazardous reactionsWill not polymerise.10.4. Conditions to avoidAvoid heat, flames and other sources of ignition.10.5. Incompatible materialsTorug oxidising agents. Strong acids. Strong alkalis.10.6. Hazardous decomposition or oxidus ing agents. Strong alkalis 1.6000000000000000000000000000000000000			
Odour Characteristic. Flash point > 70° C Relative density ~ 0.986 @ 20° C 9.2. Other Information	Appearance	Liquid.	
Flash point > 70°C Relative density ~ 0.986 @ 20°C 9.2. Other information	Colour	Colourless. to Light (or pale). Green. / Yellow.	
Relative density ~ 0.986 @ 20°C 9.2. Other information Refractive index ~ 1.469 @ 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 Exactivity 10.4. Conditions to avoid Will not polymerise. reactions Vill not polymerise. 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Materials to avoid Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis. 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Odour	Characteristic.	
9.2. Other information Refractive index ~ 1.469 @ 20°C SECTION 10: Stability and reactivity 10.1. Reactivity 10.2. Chemical stability Stability Stability Stability Stability Stability Stability Stability Stability Stability of hazardous reactions 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 Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Flash point	> 70°C	
Refractive index ~ 1.469 @ 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 Will not polymerise. reactions Will not polymerise. 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Avoid heat, flames and other sources of ignition. 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Relative density	~ 0.986 @ 20°C	
SECTION 10: Stability and reactivity 10.1. Reactivity 10.1. Reactivity 10.2. Chemical stability Stable at normal ambient temperatures. Stability Stable at normal ambient temperatures. 10.3. Possibility of hazardous reactions Will not polymerise. Possibility of hazardous Will not polymerise. reactions Void heat, flames and other sources of ignition. 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Materials to avoid 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	9.2. Other information		
10.1. Reactivity 10.2. Chemical stability Stability Stable at normal ambient temperatures. 10.3. Possibility of hazardous reactions Possibility of hazardous Will not polymerise. reactions Will not polymerise. 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Avoid heat, flames and other sources of ignition. 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Refractive index	~ 1.469 @ 20°C	
10.2. Chemical stabilityStable at normal ambient temperatures.StabilityStable at normal ambient temperatures.10.3. Possibility of hazardousWill not polymerise.Possibility of hazardousWill not polymerise.reactionsAvid heat, flames and other sources of ignition.10.5. Incompatible materialsAvoid heat, flames and other sources of ignition.Materials to avoidStrong oxidising agents. Strong acids. Strong alkalis.10.6. Hazardous decompositionThermal decomposition or combustion may liberate carbon oxides and other toxic gases or	SECTION 10: Stability and rea	activity	
StabilityStable at normal ambient temperatures.10.3. Possibility of hazardous reactionsWill not polymerise.Possibility of hazardous reactionsWill not polymerise.10.4. Conditions to avoid Conditions to avoidAvoid heat, flames and other sources of ignition.10.5. Incompatible materials Materials to avoidStrong oxidising agents. Strong acids. Strong alkalis.10.6. Hazardous decompositionThermal decomposition or combustion may liberate carbon oxides and other toxic gases or	10.1. Reactivity		
10.3. Possibility of hazardous will not polymerise. Possibility of hazardous will not polymerise. reactions	10.2. Chemical stability		
Possibility of hazardous reactions Will not polymerise. 10.4. Conditions to avoid Void heat, flames and other sources of ignition. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Strong oxidising agents. Strong acids. Strong alkalis. 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Stability	Stable at normal ambient temperatures.	
reactions Internal sto avoid 10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. Conditions to avoid Avoid heat, flames and other sources of ignition. 10.5. Incompatible materials Strong oxidising agents. Strong acids. Strong alkalis. 10.6. Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	10.3. Possibility of hazardous	reactions	
Conditions to avoidAvoid heat, flames and other sources of ignition.10.5. Incompatible materialsStrong oxidising agents. Strong acids. Strong alkalis.Materials to avoidStrong oxidising agents. Strong acids. Strong alkalis.10.6. Hazardous decompositionproductsHazardous decompositionThermal decomposition or combustion may liberate carbon oxides and other toxic gases or	-	Will not polymerise.	
10.5. Incompatible materials Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis. 10.6. Hazardous decomposition products Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	10.4. Conditions to avoid		
Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis. 10.6. Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Conditions to avoid	Avoid heat, flames and other sources of ignition.	
10.6. Hazardous decomposition products Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	10.5. Incompatible materials		
Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or	Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.	
•	10.6. Hazardous decomposition products		
	-		

SECTION 1	1: Toxicological inf	formation			
11.1. Inform	nation on toxicologi	cal effects	<u>S</u>		
	Acute toxicity - oral				
ATE oral (mg/kg)		7,520.40	6		
Skin contac	t	Causes	skin irritation. May cause an allergic skin reaction.		
Eye contact	t		Causes serious eye irritation.		
Acute and c hazards	chronic health	Suspected of damaging fertility or the unborn child.			
			BENZYL ACETATE		
	Acute toxicity - or	al			
	Acute toxicity ora mg/kg)	I (LD₅o	2,490.0		
	Species		Rat		
	ATE oral (mg/kg)		2,490.0		
			BUTYLPHENYL METHYLPROPIONAL		
	Acute toxicity - or	al			
	Acute toxicity ora mg/kg)	I (LD₅₀	1,390.0		
	Species		Rat		
	ATE oral (mg/kg)		1,390.0		
			CYCLAMEN ALDEHYDE		
	Acute toxicity - or	al			
	ATE oral (mg/kg)		3,810.0		
SECTION 1	2: Ecological Inform	mation			
Ecotoxicity		Toxic to	aquatic life with long lasting effects.		
<u>12.1. Toxici</u>	<u>ty</u>				
			HEXAMETHYLINDANOPYRAN		
	Acute aquatic tox	<i>ticity</i>			
	LE(C)50		0.1 < L(E)C50 ≤ 1		
	M factor (Acute)		1		
	Chronic aquatic to	oxicity			
	NOEC		$0.001 \leq NOEC \leq 0.01$		
	Degradability		Rapidly degradable		
	M factor (Chronic	;)	1		

HEXYL SALICYLATE

	HEXYL SALICYLATE			
Acute aquatic tox	icity			
LE(C)₅₀	$0.1 \leq L(E)C50 \leq 1$			
M factor (Acute)	1			
Chronic aquatic to	oxicity			
NOEC	0.01 < NOEC ≤ 0.1			
Degradability	Rapidly degradable			
	HEXYL CINNAMAL			
Acute aquatic tox	icity			
LE(C)50	$0.1 \le L(E)C50 \le 1$			
M factor (Acute)	1			
12.2. Persistence and degrada	bility			
Persistence and degradability	The product is expected to be biodegradable.			
12.3. Bioaccumulative potentia	<u>u</u>			
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 conside	erations			
13.1. Waste treatment methods	S			
Disposal methods	Dispose of waste product or used containers in accordance with local regulations			
SECTION 14: Transport inform	nation			
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	3			
Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS HEXAMETHYLINDANOPYRAN, HEXYL SALICYLATE)			
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS HEXAMETHYLINDANOPYRAN, HEXYL SALICYLATE)			
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS HEXAMETHYLINDANOPYRAN, HEXYL SALICYLATE)			

Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS
	HEXAMETHYLINDANOPYRAN, HEXYL SALICYLATE)

14.3. Transport hazard class(es)		
9		
M6		
9		
9		
9		
9		

Transport labels

14.4. Packing group	
ADR/RID packing group	Ш
IMDG packing group	Ш
ADN packing group	Ш
ICAO packing group	111

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 MARPOL and the IBC Code

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

SECTION 15: Regulatory information

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 assess	15.2. Chemical safety assessment			
SECTION 16: Other information				
SECTION 16: Other information	n			
Key literature references and	European Chemicals Agency, http://echa.europa.eu/			
Key literature references and sources for data				
Key literature references and sources for data Issued by	European Chemicals Agency, http://echa.europa.eu/			
SECTION 16: Other information Key literature references and sources for data Issued by Revision date Revision	European Chemicals Agency, http://echa.europa.eu/ Regulatory Manager			

H361 Suspected of damaging fertility or the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



MATERIAL SPECIFICATION

LILY OF THE VALLEY FRAGRANCE

Analysis Description	Minimum Value	Maximum Value	Description
Appearance			Clear mobile liquid
Colour			Colourless-p.green/yell
Odour			Characteristic
Specific Gravity at 20°C	0.981	0.991	
Refractive Index at 20°C	1.466	1.472	

Issue Date: 22/06/17 Shelf Life: 12 Months

Revision: 0

Revision Date: 22/06/17

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.



STATEMENT ON VEGAN SUITABILITY

LILY OF THE VALLEY FRAGRANCE

We confirm to the best of our knowledge that the above product sold by MADAR Corporation Limited does not contain any animal substances.

During production, storage and transport there is no contact with any extracts of animal origin.

We therefore declare that the product is suitable for vegans.

21/04/2020