

# MATERIAL SAFETY DATA SHEET :



Product **1-13105-55** **PERFUME LIME**

date 18-05-2010

## 1. IDENTIFICATION OF SUBSTANCE PREPARATION AND THE COMPANY

Product Fragrance compound  
Product code 1-13105-55  
  
Producer Holland Aromatics B.V.  
Transistorstraat 111, 1322 CL Almere  
The Netherlands  
Tel.(31)36-5 36 33 35 Fax.(31)365 36 55 88  
Email:perfume@hollandaromatics.nl

## 2. HAZARDS IDENTIFICATION

### *Hazard symbol*



Xn harmful



N dangerous for the environment

### *R-Phrases*

R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.  
R51 R53 Toxic to aquatic organisms.  
R65 Harmful: may cause lung damage if swallowed.

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TFV R20	0,00	TFV R24	0,00	TFV R37	0,00	TFV R43	22,83	TFV R62	0,00
TFV R21	0,00	TFV R25	0,00	TFV R38	1,49	TFV R50/53	52,30	TFV R65	1,31
TFV R22	0,02	TFV R34	0,00	TFV R40	0,00	TFV R51/53	0,49	TFV R68	0,00
TFV R23	0,00	TFV R36	0,04	TFV R41	0,04	TFV R52/53	0,03		

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a complex mixture of fragrance ingredients, which contains among others the following substance(s) presenting a health or environmental hazard, or having an occupational exposure limit:  
See TFV section 2.

CAS number Not applicable, product is a mixture

EINECS number Not applicable, product is a mixture

Tariff number 33029090

<u>Contains</u>	<u>Ingredient</u>	<u>CASn°</u>	<u>Symbol</u>	
0,1 - 1%	3-CARENE	13466-78-9	XN	10,43,52/53,65
0,1 - 1%	1-DECANAL	112-31-2	XI	38.52.53
0,1 - 1%	1-OCTANAL	124-13-0	XI	10,36,38
0,1 - 1%	CAMPHENE	79-92-5	XIN	10,36.50.53
0,1 - 1%	A-CEDRENE	469-61-4	N	50.53
1 - 10%	CITRAL	5392-40-5	XI	38,43
0,1 - 1%	3,7-DIMETHYL-6-OCTEN-1-OL	106-22-9	XIN	38,43,51,53
0,1 - 1%	PHENOL, 4ALLYL-2-METHOXY	97-53-0	XI	36,43
0,1 - 1%	TRANS-3,7-DIMETHYL-2,6-OCTADIEN-1-OL	106-24-1	XI	38.41.43
10-25%	LIMONENE	138-86-3	XNN	10,38.43.50.53.65
0,1 - 1%	LINALOOL	78-70-6	XI	38
1 - 10%	PINENES	80-56-8	XNN	10,43,50,53,65
1 - 10%	PARAMENTHEN-1-OL-8	8000-41-7	XI	38
0,1 - 1%	2-MENTHA-1,4(8)-DIENE	586-62-9	N	10,51,53,65

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## 4. FIRSTAID MEASURES

Ingestion	Rinse mouth with water. Give up to 0.25L milk or water to drink. Do not induce vomiting. Obtain medical advice immediately.
Inhalation	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
Skincontact	Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
Eyecontact	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

## 5. FIRE FIGHTING MEASURES

Extinguishing-media Carbondioxide, dry chemical, foam. Do not use a direct water jet on burning material.

## 6. ACCIDENTAL RELEASE MEASURES

Personal	Avoid inhalation and contact with skin and eyes. A self precautions contained breathing apparatus is recommended in case of a major spill.
Spillage	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of dust and vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.
Enviromental	Keep away from drains, surface and groundwater and soil.

## 7. HANDLING AND STORAGE

### Handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation.  
Do not drink, eat or smoke while handling.  
Respect good personal hygiene.

### Storage

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.  
Avoid plastic and uncoated metal container.  
Keep air contact to a minimum.

Fireprotection Keep away from ignition sources and naked flame.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection Avoid excessive inhalation of concentrated vapours and dust.  
Apply local ventilation where appropriate.

Eye protection Use of goggles is recommended.

Skin protection Avoid skincontact. Use chemically resistant gloves as needed.

## 9. FYSISCH EN CHEMISCH EIGENSCHAPPEN

appearance clear liquid  
odour according to standard  
Color clear colorless liquid to pale yellow  
pHvalue not determined  
Freezing point not determined  
Boiling point not determined  
Flashpoint C° >100  
Explosive prop none expected.  
Oxidizing prop none expected.  
Vapour pressure not determined  
Density D20/20 0,000  
Soluble water essentially insoluble.  
Soluble ethanol essentially soluble

## 10. STABILITY AND REACTIVITY

Reactivity Presents no significant reactivity hazard, by itself or in contact with water.  
Avoid contact with strong acids, alkali or oxidizing agents.

Decomposition Carbonmonoxide and unidentified organic compounds may be formed during combustion.

## 11. TOXICOLOGICAL INFORMATION

See sections 2, 3 and 15.

## 12. ECOLOGICAL INFORMATION

General Ecotoxicological parameters for complex mixtures such as fragrances are usually not determined.

## 13. DISPOSAL CONDITIONS

Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

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## 14. TRANSPORT INFORMATION

UNnumber UN-nummer 3082 (Milieugevaarlijke vloeistof N.E.G. / Environmentally substances, liquid, N.O.S.)

Road ADR Class 9 PG III



Air (IATA) Class 9 PG III



Sea (IMDG) Class 9 PG III



## 15. REGULATORY INFORMATION

*Classification Packaging/Labeling*  
**R-Phrases**

- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R51 R53 Toxic to aquatic organisms.
- R65 Harmful: may cause lung damage if swallowed.

### **S-Phrases**

- S24 Avoid contact with skin
- S37 Wear suitable gloves
- S61 Avoid release to the environment. Refer to special instructions on MaterialSafetyDataSheet
- S62 If swallowed, do not induce vomiting: seek medical advice and show label

### **Hazard symbol**



Xn harmful



N dangerous for the environment

### **Contains**

3-CARENE

CITRAL

LIMONENE

PINENES

PARAMENTHEN-1-OL-8

## 16. OTHER INFORMATION

The information in this safety data sheet is based on the properties of the material known to Holland Aromatics B.V. at the time the datasheet was issued.

The safety data sheet is intended to provide information for a health and safety assessment of the material

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and the circumstances under which it is packed, stored or applied in the workplace.  
For such safety assessment Holland Aromatics B.V. holds no responsibility.  
This document is not intended for quality assurance purposes.

## **R-phrases (glossary)**

- R36 Irritating to eyes.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R50 R53 Very toxic to aquatic organisms.
- R51 R53 Toxic to aquatic organisms.
- R52 R53 Harmful to aquatic organisms.
- R65 Harmful: may cause lung damage if swallowed.

<b>CODE</b>	<b>1-13105-55</b>	<b>PERFUME LIME</b>	
<b>DATE</b>	<b>18-05-2010</b>		
<i>INGREDIENT (INCI) &amp; CAS NR</i>			<i>TOTAL CONTENT IN PRODUCT %</i>
Amylcinnamyl alcohol	CAS 101-85-9		0,0000
Amyl cinnamal	CAS 122-40-7		0,0000
Anisyl alcohol	CAS 105-13-5		0,0000
Benzyl Alcohol	CAS 100-51-6		0,0000
Benzyl benzoate	CAS 120-51-4		0,0000
Benzyl cinnamate	CAS 103-41-4		0,0000
Benzyl salicylate	CAS 118-58-1		0,0003
Cinnamal	CAS 104-55-2		0,0000
Cinnamic alcohol	CAS 104-54-1		0,0000
Citral	CAS 5392-40-5		9,2093
Citronellol	CAS 106-22-9		0,3305
Coumarin	CAS 91-64-5		0,0000
Eugenol	CAS 97-53-0		0,1770
Farnesol	CAS 4602-84-0		0,0005
Geraniol	CAS 106-24-1		0,4114
HexylCinnamal	CAS 101-86-0		0,0000
Hydroxycitronellal	CAS 107-75-5		0,0000
Iso Eugenol	CAS 97-54-1		0,0000
Butylphenyl Methylpropional	CAS 80-54-6		0,0000
Limonene	CAS 5989-27-5		10,6209
Linalool	CAS 78-70-6		0,9581
Hydroxyisohexyl 3-cyclohexene Carboxaldehyde	CAS 31906-04-4		0,0000
Methyl heptyn carbonate	CAS 111-12-6		0,0000
alpha isomethyl ionon	CAS 127-51-5		0,0000
(Treemoss) Evernia Furfuracea extr	CAS 68648-41-9		0,0000
(Oakmoss) Evernia Prunastri extr	CAS 9000-50-4		0,0000

These are calculated concentrations and do not negate the need for chromatographic qualification of the end product. To the best of our knowledge the information contained in this document is accurate at the date of publication. However, nothing contained in this document is to be considered as a warranty or representation in respect of safety in use, fitness for purpose, merchantability of efficacy, or as any other warranty (whether expressed or implied).

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To whom it concerns

Fragrance 1-13105-55 PERFUME LIME contains the following ingredients:

0,00	%	<b>(Musk) Nitromusk percentage</b>
0,00	%	<b>(Musk) Polycyclic musk percentage</b>
0,00	%	<b>(Musk) macrocyclic musk percentage</b>

With kind regards,

**Holland Aromatics BV**

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We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 44th Amendment), provided it is used in the following classes at a maximum concentration level of

IFRA QRA	MAXIMUM CONCENTRATION LEVEL	
<b>IFRA Cat 1 max %</b>		Not applicable. Product is not foodgrade
<b>IFRA Cat 2 max %</b>	0,54	
<b>IFRA Cat 3 max %</b>	2,17	
<b>IFRA Cat 4 max %</b>	6,52	
<b>IFRA Cat 5 max %</b>	3,26	
<b>IFRA Cat 6 max %</b>		Not applicable. Product is not foodgrade
<b>IFRA Cat 7 max %</b>	1,09	
<b>IFRA Cat 8 max %</b>	15,20	
<b>IFRA Cat 9 max %</b>	41,19	
<b>IFRA Cat 10 max %</b>	27,15	
<b>IFRA Cat 11 max %</b>	2,17	

Note box:

\*\* Category 11 includes all non-skin contact or incidental skin contact products. Due to negligible skin contact the concentration of a fragrance should not exceed the usual concentration of the fragrance compound in the finished product.

For example, hypothetically if the usual concentration of a fragrance compound in the final product, for example a candle, is at 5%, then any individual fragrance ingredient must not exceed 5% in the candle.

For other kinds of application or use at higher concentration levels, a new safety evaluation may be needed; please contact Holland Aromatics BV.

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.

**Holland Aromatics BV**  
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**Defintitions IFRA QRA Product Type**

Category 9	Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids spray)
Category 11	Air Fresheners and Fragrancing of all types (plug-ins, solid substrate, membrane delivery electrical, pot pourri, powders, fragrancing sachets, incense, liquid refills)
Category 11	Animal Sprays
Category 7	Baby Wipes
Category 9	Bar Soap (Toilet Soap)
Category 9	Bath Gels, Foams, Mousses, Salts, Oils and Other Products Added To Bathwater
Category 4	Body Creams, Oils, Lotions, Fragrancing Creams of all types (including baby creams, lotions, oils)
Category 9	Body Washes of all types (including baby washes) and Shower Gels of all types
Category 11	Candles
Category 11	Cat litter
Category 9	Conditioner (Rinse-Off)
Category 4	Cosmetic Kits - Fragrance Compounds
Category 2	Deodorant and Antiperspirant Products of all types (spray, stick, roll-on, under-arm and body, etc.)
Category 11	Deodorizers/Maskers Not Intended For Skin Contact (e.g. fabric drying machine deodorizers, carpet powders)
Category 9	Depilatory
Category 10	Diapers
Category 10	Dry Cleaning Kits
Category 3	Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.)
Category 10	Fabric Softeners of all types including fabric softener sheets
Category 9	Face Cleansers of all types (washes, gels, scrubs, etc.)
Category 5	Facial Masks
Category 9	Feminine Hygiene – Liners
Category 9	Feminine Hygiene – Pads
Category 11	Floor wax
Category 4	Foot Care Products
Category 11	Fuels
Category 4	Hair Deodorant
Category 8	Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.)
Category 4	Hair Styling Aids, Hair Sprays of all types (pumps, aerosol sprays, etc.)
Category 5	Hand Cream
Category 10	Hand Dishwashing Detergent
Category 10	Handwash Laundry Detergents of all types
Category 10	Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish)
Category 10	Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners,)
Category 3	Hydroalcoholic Products Applied To Recently Shaved Skin
Category 4	Hydroalcoholic Products Applied To Unshaved Skin
Category 7	Insect Repellent (intended to be applied to the skin)
Category 11	Insecticides (e.g. mosquito coil, paper, electrical, for clothing)
Category 7	Intimate Wipes
Category 11	Joss Sticks or Incense Sticks
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)
Category 9	Liquid Soap
Category 11	Machine Dishwash Detergent and Deodorizers
Category 11	Machine Only Laundry Detergent (e.g. ligitabs)
Category 10	Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleaches
Category 8	Make-up Removers of all types (not including face cleansers)
Category 3	Men's Facial Creams, Balms
Category 6	Mouthwash
Category 8	Nail Care
Category 11	Odored Distilled Water (that can be added to steam irons)
Category 11	Paints
Category 4	Perfume Kit Fragrance Ingredients

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Category 8	Powders and talcs, all types (including baby powders and talcs)
Category 11	Plastic articles (excluding toys)
Category 4	Scent Strips for Hydroalcoholic Products, -scratch and sniff- samples, other paper products not mentioned elsewhere fo which skin exposure is only incidental (e.g spectacle cleaning tissues)
Category 10	Shampoos for Pets
Category 9	Shampoos of all types (including baby shampoos)
Category 9	Shaving Creams of all types (stick, gels, foams, etc.)
Category 11	Shoe Polishes
Category 3	Tampons
Category 11	Toilet Blocks
Category 10	Toilet Seat Wipes
Category 6	Toothpaste
Category 1	Toys
Category 11	Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers)
Category 5	Wipes or Refreshing Tissues for Face, Neck, Hands, Body
Category 5	Women's Facial Creams/Facial Make-up