

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Farrell-Jones Aromatic Solutions LTD

Product No.: 00-021

Version 1.0/EN

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Print date: 18.08.2016

Revision date: 18.08.2016

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

1.1. Product Identifier

Product Identifier: PN 00-021

Substances: Fragrance compounds with Alcohol base

Substance name: Best Lemon fragrance oil (Standard/Enhanced)

This substance is exempted from Registration according to the provisions of Article 2(7)(a) and Annex IV of REACH

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

Relevant identified uses

Fragrance

This mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 47th Amendment / published June 2013), provided it is used in the following classes at a maximum concentration level of:

IFRA Classification (See section 16 for details)	Maximum level of use (%)
IFRA Class 1.A	1.67%
IFRA Class 1.B	1.67%
IFRA Class 2	2.08%
IFRA Class 3.A	8.33%
IFRA Class 3.B	8.33%
IFRA Class 3.C	8.33%
IFRA Class 3.D	8.33%
IFRA Class 4.A	25.00%
IFRA Class 4.B	25.00%
IFRA Class 4.C	25.00%
IFRA Class 4.D	25.00%
IFRA Class 5	12.50%
IFRA Class 6	41.67%
IFRA Class 7.A	4.17%
IFRA Class 7.B	4.17%
IFRA Class 8.A	30.30%
IFRA Class 8.B	30.30%
IFRA Class 9.A	75.75%
IFRA Class 9.B	75.75%
IFRA Class 9.C	75.75%
IFRA Class 10.A	37.88%
IFRA Class 10.B	37.88%
IFRA Class 11.A	100.00%
IFRA Class 11.B	100.00%

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Uses advised against:

Not for human or animal consumption

1.3. Details of the supplier of the safety data sheet

Supplier:

F-JAS

Farrell-Jones Aromatic Solutions LTD

Unit A7, Ashmount Enterprise Park, Flint, CH6 5YL

Telephone: 01352 763 502

Contact person: Carl Stratton

Contact e-mail: carl.stratton@f-jas.co.uk

1.4. EMERGENCY TELEPHONE NUMBER:

Main: +44 (0)1352 763 502

Freephone: +44 (0)800 468 1951

Mobile: +44 (0)748513159

Opening hours are 8:30am to 5:00pm weekdays.

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Section 2: Hazards identification

2.1. Classification under Regulation (EC) No 1272/2008

Class and category of danger:

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H410 Very toxic to aquatic life with long-lasting effects

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing fumes/vapours.

P264 Wash hands and exposed skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+310+P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

P302+352 IF ON SKIN: Wash with plenty of soap and water

P332+P313 If skin irritation occurs: Get medical advice/attention.

P403+P233 Store in a well ventilated place. Keep cool.

EUH208 Contains Citral. May produce an allergic reaction.

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2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier: Best Lemon fragrance oil PN 00-021

Hazard pictograms:	Hazard / Precautionary statement(s)
	<p>Signal word: WARNING</p> <p>Hazard statements:</p> <ul style="list-style-type: none">• May be fatal if swallowed and enters airways• Causes skin irritation• May cause an allergic skin reaction• Causes serious eye damage• Very toxic to aquatic life with long-lasting effects <p>Precautionary statements:</p> <ul style="list-style-type: none">• Avoid breathing fumes/vapours.• Wash hands and exposed skin thoroughly after handling.• Avoid release to the environment.• Wear protective gloves/protective clothing/eye protection/face protection.• IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.• IF ON SKIN: Wash with plenty of soap and water• If skin irritation occurs: Get medical advice/attention.• Store in a well ventilated place. Keep cool. <p>Supplemental Hazard information</p> <ul style="list-style-type: none">• Contains Citral. May produce an allergic reaction.

2.3. Other Hazards

None

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Section 3: Composition/information on ingredients

3.1. Substances

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Isopropanol	67-63-0	200-661-7	01-2119457558-25-xxxx	2.26%	H225 H319 H336
Monopropylene glycol	57-55-6	200-338-0	01-119456809-23	7.55%	NC*
Dipropylene glycol	25265-71-8	246-770-3	01-2119456811-38-xxxx	22.64%	NC*
Polysorbate 20	9005-64-5	500-018-3	EXEMPT	7.55%	NC*
d-Limonene (p-Mentha-1,8-diene)	5989-27-5	227-813-5		>=25	H227 H315 H400 H413 H370
Geraniol (3,7-Dimethyl-2,6-octadien-1-ol)	106-24-1	203-377-1		>=10<25	H315 H318
Citronellyl nitrile	51566-62-2	257-288-8		>=5<10	H402 H403
Citral (3,7-Dimethyl-2,6,octadienal)	5392-40-5	226-394-6		>=3<5	H315 H317 H319
beta-Myrcene	123-35-3	204-622-5		>=1<3	H226 H304 H315 H319 H370

* Not classified as dangerous according to Regulation (EC) No. 1272/2008

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Section 4: First Aid measures

4.1. Description of first aid measures

Following inhalation

Remove from exposure site to fresh air, keep at rest and Immediately call a POISON CENTER or doctor/physician.

Following eye exposure

Flush immediately with water for at least 15 minutes. Contact doctor/physician if symptoms persist.

Following skin contact

Remove contaminated clothes. Wash thoroughly with soap and water. Contact doctor/physician if irritation persists.

Following ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Other

Take Risk and Safety phrases (section 15) into consideration.

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

May be fatal if swallowed and enters airways.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam, Fire blanket.

Unsuitable media: Do not use a direct water-jet on burning material.

5.2. Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3. Advice for firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2. Environmental precautions

Keep away from drains, surface and ground water, and soil.

6.3. Methods and material for containment and cleaning up

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

Section 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3. Specific end use(s)

Use in accordance with good manufacturing and industrial hygiene practices.

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

Name	CAS	EC	Long-term*		Short-term**	
			ppm	mg.m ⁻³	ppm	mg.m ⁻³
Dipropylene glycol monomethyl ether	34590-94-8		50	308		
Propylene glycol total vapour and particulates	57-55-6	200-338-0	150	470	-	-
particulates			-	10	-	-

*Long-term exposure limit (8-hr TWA reference period)

**Short-term exposure limit (15 minute reference period)

8.2. Exposure controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures:

- Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.
- Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters.
- Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures.
- Use closed systems for transferring and processing this material.

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Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Uncoloured
Odour:	Not determined
pH:	Not determined
Initial boiling point / range:	Not determined
Flash point:	Not determined
Vapour pressure:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined

9.2. Other information

None Available

Section 10: stability and reactivity

10.1. Reactivity

Presents no significant reactivity hazard, by itself or in contact with water.

10.2. Chemical stability

Good stability under normal storage conditions.

10.3. Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4. Conditions to avoid

Avoid extreme heat.

10.5. Incompatible materials

Avoid contact with strong acids, alkalis or oxidising agents.

10.6. Hazardous decomposition products

Not expected.

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Section 11: Toxicological information

11.1. Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- May cause an allergic skin reaction.

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 4644

Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Information about hazardous ingredients in the mixture

None

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Section 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Not available

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

Not available

Section 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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Section 14. Transport information

14.1. UN Number

UN1169

14.2. UN Proper shipping name

EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

9

14.4. Hazard label(s)



14.5. Packing group

III

14.6. Environmental hazards

This is an environmentally hazardous substance.

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

Not applicable

Section 15: Regulatory information

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

None additional

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

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Section 16: Other Information

16.1. Revision History

No Revisions

16.2. Key to abbreviations

Abbreviation	Explanation
EUH208	Contains May produce an allergic reaction.
H226	Flammable liquid and vapour
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H370	Causes damage to organs
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H403	Harmful to aquatic life
H410	Very toxic to aquatic life with long-lasting effects
H413	May cause long-lasting harmful effects to aquatic life
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes/vapours.
P264	Wash hands and exposed skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+310+P331	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
P302+352	IF ON SKIN: Wash with plenty of soap and water
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well ventilated place. Keep cool.

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

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16.3. Definition of IFRA Classes

Finished product types	IFRA class
Toys; Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, lip wax, etc...)	IFRA Class 1.A
Waxes for mechanical hair removal	IFRA Class 1.B
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...); Fragranced Bracelets	IFRA Class 2
Hydroalcoholic products applied to recently shaved skin (EdT range)	IFRA Class 3.A
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	IFRA Class 3.B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...) including eye care; Men's Facial Creams and Balms; Body Creams, Lotions, Oils; Body Paint for Children	IFRA Class 3.C
Tampons	IFRA Class 3.D
Hydroalcoholic Products applied to unshaved skin (EdT range); Ingredients of Perfume Kits; Scent Pads, Foil packs; Scent Strips for Hydroalcoholic Products	IFRA Class 4.A
Hydroalcoholic Products applied to unshaved skin (Fine Fragrance range)	IFRA Class 4.B
Hair Styling Aids and Hair Sprays of all types (pumps, aerosol sprays, etc...); Body Creams, Oils, Lotions of all types (including baby creams, lotions, oils); Fragrance Compounds for Cosmetic Kits; Foot Care Products; Hair deodorant; Body Paint for Adults	IFRA Class 4.C
Fragrancing cream	IFRA Class 4.D
Women's Facial Creams/Facial Make-up; Hand Cream; Hand sanitizers; Facial Masks; Baby Powder and Talc; Hair permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes; Wipes or Refreshing Tissues for Face, Neck, Hands, Body	IFRA Class 5
Mouthwash, including Breath Sprays; Toothpaste	IFRA Class 6
Intimate Wipes; Baby Wipes	IFRA Class 7.A
Insect Repellent (intended to be applied to the skin)	IFRA Class 7.B
Make-up Removers of all types (not including face cleansers); Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...); Nail Care; All Powders & Talcs (including baby powders and talcs)	IFRA Class 8.A
Hair Dyes	IFRA Class 8.B
Conditioner (Rinse-Off); Liquid Soap; 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 (not including waxes for mechanical hair removal); Body Washes of all types (including baby washes) and Shower Gels of all types; Bar Soap (Toilet Soap); Shower Gels of all types; Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater	IFRA Class 9.A
Feminine hygiene - pads, liners; Toilet paper; Wheat bags	IFRA Class 9.B
Facial tissues; Napkins; Paper towels; Other' Aerosols (incl. air freshener sprays and air freshener pump sprays, but not deodorants / antiperspirants, hair styling aids spray and animal sprays)	IFRA Class 9.C
Handwash Laundry Detergents of all types including concentrates; Fabric Softeners of all types including fabric softener sheets; Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners, etc.); Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates; Hand Dishwashing Detergent including concentrates; Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Shampoo for pets; Dry cleaning kits	IFRA Class 10.A
Diapers; Toilet seat wipes	IFRA Class 10.B
All non-skin contact, including: Candles; Air Fresheners and Fragrancing of all types (concentrated aerosol air fresheners, plug-ins, solid substrate, membrane delivery, ambient, electrical..) excluding aerosol products; Air delivery systems; Liquid refills for air fresheners (cartridge systems); Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols; Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization); Air freshening crystals; Toilet Blocks; Joss Sticks, Incense; Machine only Laundry detergent (e.g. liquid tabs); Plastic articles (excluding toys); Fuels; Fragranced lamp ring; Scent pack; Paints; Floor wax	IFRA Class 11.A
All incidental skin contact, including: Pot pourri, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers; Shoe Polishes; Deodorizers/Maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders); Machine dishwash detergent and deodorizers; Scratch and Sniff (sampling technology); Cat litter; Animal sprays (all types); Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers); Odored distilled water (that can be added to steam irons); Infused socks	IFRA Class 11.B