



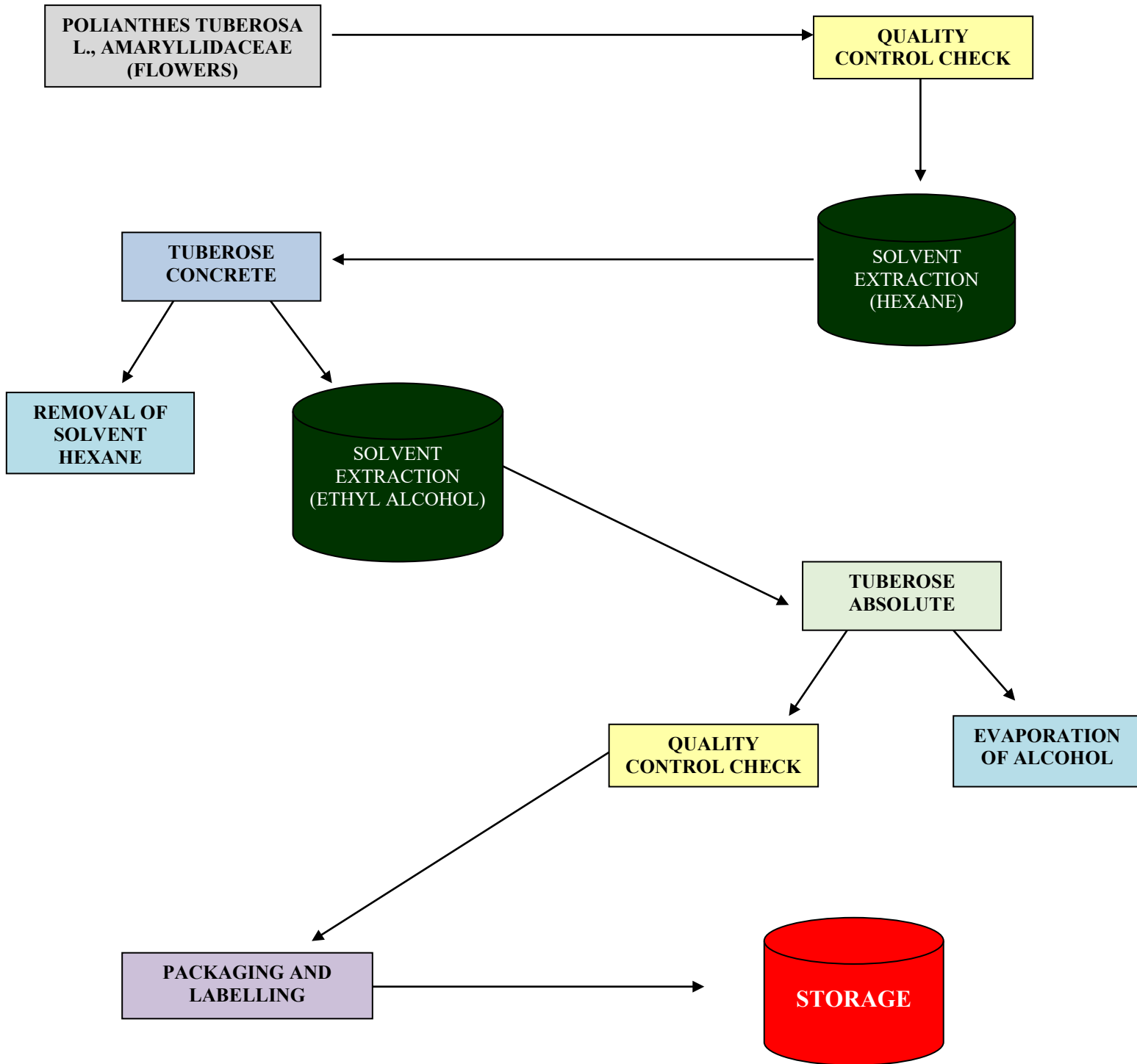
Certificate of Analysis

PRODUCT DETAILS		
Product Name	TUBEROSE ABSOLUTE	
Product Code	OATUBE	
Batch Number	4486501	
Best Before End	October 2025	
Identification	CAS No: 94334-35-7 EINECS No: 305-108-4	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Orange to Brown	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C	0.945 - 0.965	0.96
Refractive Index @ 20°C	1.475 - 1.495 ≥80	1.482
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 months unopened and stored as above.	

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Issue No: 1

PROCESSING – TUBEROSE ABSOLUTE FLOW CHART





SAFETY DATA SHEET TUBEROSE ABSOLUTE

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

1.1. Product identifier

Product name TUBEROSE ABSOLUTE

Synonyms; trade names Polianthes Tuberosa Flower Extract

CAS number 94334-35-7

EC number 305-108-4

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

Identified uses Industrial, only for professional use

1.3. Details of the supplier of the safety data sheet

Supplier

Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA
Tel. +44 1425 655555 (Opening Hours 9am - 5pm)
e-mail technical@madarcorporation.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302

Environmental hazards Aquatic Chronic 3 - H412

Human health Harmful if swallowed.

Environmental Harmful to aquatic life with long lasting effects.

2.2. Label elements

EC number 305-108-4

TUBEROSE ABSOLUTE

Pictogram



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

benzyl benzoate, Methyl Salicylate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Methyl Salicylate CAS number: 119-36-8 EC number: 204-317-7	1-5%
Classification Acute Tox. 4 - H302	
benzyl benzoate CAS number: 120-51-4 EC number: 204-402-9 M factor (Acute) = 1	1-5%
Classification Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. 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

No further information available at this time.

TUBEROSE ABSOLUTE

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

Notes for the doctor No data available.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

Unsuitable extinguishing media For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. If ventilation is inadequate, suitable respiratory protection must be worn. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

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 Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. Never return spills in original containers for re-use. Clean preferably with a detergent, do not use solvents. Wash spill site after material pick up is complete.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Use personal protection equipment as mentioned under "exposure controls and personal protection". Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.

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.

7.3. Specific end use(s)

TUBEROSE ABSOLUTE

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Methyl Salicylate (CAS: 119-36-8)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 17.5 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 285 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 6 mg/kg</p> <p>General population - Inhalation; Long term systemic effects: 4 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 213 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 3 bw/day, mg/kg</p> <p>General population - Oral; Long term systemic effects: 1 mg/kg, bw/day</p> <p>General population - Oral; Short term systemic effects: 5 bw/day, mg/kg</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; Short term 20 mg/l - Marine water; Short term 2 mg/l - STP; Short term 140 mg/l - Intermittent release, Fresh water; 200 mg/l - Sediment (Freshwater); Short term 0.33 mg/kg - Sediment (Marinewater); Short term 0.033 mg/kg - Soil; Short term 0.35 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

Personal protection

Use personal protection according to Directive 89/686/EEC

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls

Avoid discharging into drains.

TUBEROSE ABSOLUTE

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Orange. to Brown.
Odour	Characteristic.
Flash point	≥ 80°C
Relative density	0.945 - 0.965 @ 20°C

9.2. Other information

Refractive index	1.475 - 1.495 @ 20°C
Optical Rotation	-10 to +10

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No hazardous reactions if stored and handled as prescribed / indicated.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available.
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10.4. Conditions to avoid

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

Materials to avoid	Avoid contact with the following materials: Strong alkalis. Strong acids. Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Liable to cause smoke and acid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	Harmful if swallowed.
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ATE oral (mg/kg)	500.0
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Acute toxicity - dermal

Notes (dermal LD ₅₀)	No data available.
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Acute toxicity - inhalation

Notes (inhalation LC ₅₀)	No information available.
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Skin corrosion/irritation

Skin corrosion/irritation	No data available.
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Serious eye damage/irritation

Serious eye damage/irritation No data available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Carcinogenicity

Carcinogenicity No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Skin contact No data available.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Acute toxicity - microorganisms No data available.

Toxicity to soil No data available.

12.2. Persistence and degradability

Biodegradation No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential Data lacking.

12.4. Mobility in soil

Surface tension No information available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

TUBEROSE ABSOLUTE

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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).

Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	14/09/2017
Revision	1
SDS number	5033
Hazard statements in full	H302 Harmful if swallowed. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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Product Specification

PRODUCT DETAILS		
Product Name	TUBEROSE ABSOLUTE	
Tariff Number	33012941	
INCI Name	Polianthes Tuberosa Flower Extract	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	Not Applicable	
Kosher Certified	Not Certified	
Halal Certified	Not Certified	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Identification	CAS No: 94334-35-7	EINECS No: 305-108-4
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Orange to Brown	
Odour	Characteristic	
Relative Density @ 20°C	0.945 - 0.965	
Refractive Index @ 20°C	1.475 - 1.495	
Flash Point °C	≥80	
Optical Rotation °	-10 to +10	
Solubilities	Insoluble in Water	
FRAGRANCE ALLERGENS		
Benzyl Alcohol (100-51-6) <1%	Eugenol (97-53-0) <1%	Iso Eugenol (97-54-1) <1%
Benzyl Salicylate (118-58-1) <1%	Coumarin (91-64-5) <1%	Geraniol (106-24-1) <1%
Benzyl Cinnamate (103-41-3) <1%	Farnesol (4602-84-0) <1%	Linalool (78-70-6) <1%
Benzyl Benzoate (120-51-4) 1-5%	Limonene (5989-27-5) <1%	
FOOD ALLERGENS		
NOT APPLICABLE		
IFRA		
Benzyl Alcohol (100-51-6) <1%	Coumarin (91-64-5) <1%	Geraniol (106-24-1) <1%
Benzyl Benzoate (120-51-4) 1-5%	Eugenol (97-53-0) <1%	Iso Eugenol (97-54-1) <1%
Benzyl Cinnamate (103-41-3) <1%	Farnesol (4602-84-0) <1%	Benzyl Cyanide from Naturals (140-29-4) <1%
Benzyl Salicylate (118-58-1) <1%	Methyl Eugenol from Naturals (93-15-2) <1%	
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 months unopened and stored as above.	

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Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	TUBEROSE ABSOLUTE
Cas No:	94334-35-7
EINECS No:	305-108-4
STATEMENT	
<p>We, Madar Corporation UK Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	