

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 21-Dec-2020

Revision date 11-Apr-2024

Revision Number 2

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

1.1. Product identifier

Product Code(s)	55485
Safety data sheet number	55485
Product Name	MARJORAM SWEET EXT
EC No (EU Index No)	282-004-4
CAS No	84082-58-6
Synonyms	ORGANIC SWEET MARJORAM OIL, 100% PURE AND NATURAL EGYPTIAN MARJORAM ESSENTIAL OIL ORGANIC
Pure substance/mixture	Substance

Contains P-MENTH-1-EN-4-OL; P-MENTHA-1,4-DIENE; ALPHA-TERPINENE; p-MENTHA-1,4(8)-DIENE; P MENTHA 1(7) 2 DIENE; LIMONENE; 5-ISOPROPYL-2-METHYLBICYCLO[3.1.0]HEX-2-ENE; LINALYL ACETATE; LINALOOL; MYRCENE; PARACYMENE

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

Recommended use Cosmetics Perfumes, fragrances Food/Feed additive

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids	Category 3 - (H226)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Aspiration hazard	Category 1 - (H304)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains P-MENTH-1-EN-4-OL; P-MENTHA-1,4-DIENE; ALPHA-TERPINENE; p-MENTHA-1,4(8)-DIENE; P MENTHA 1(7) 2 DIENE; LIMONENE; 5-ISOPROPYL-2-METHYLBICYCLO[3.1.0]HEX-2-ENE; LINALYL ACETATE; LINALOOL; MYRCENE; PARACYMENE

**Signal word**

Danger

Hazard statements

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

H336 - May cause drowsiness or dizziness

H226 - Flammable liquid and vapour

Precautionary statements

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

P273 - Avoid release to the environment

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P391 - Collect spillage

2.3. Other hazards

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI)	Specific concentration	M-Factor	M-Factor (long-term)
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				2020/1567 as amended)	limit (SCL)		
P-MENTHA-1-EN-4-OL 562-74-3	20 - 30%	209-235-5	-	Eye Irrit. 2 (H319) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)	-	-	-
P-MENTHA-1,4-DIENE 99-85-4	10 - 20%	202-794-6	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Repr. 2 (H361d)	-	-	-
ALPHA-TERPINENE 99-86-5	10 - 20%	202-795-1	-	Aquatic Chronic 2 (H411) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Acute Tox. 4 (H302)	-	-	-
p-MENTHA-1,4(8)-DIENE 586-62-9	0 - 10%	209-578-0	-	Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Aquatic Chronic 1 (H410)	-	-	-
1-METHYL 4-ISOPROPYL-1-CYCLOHEXEN-8-OL 98-55-5	0 - 10%	202-680-6	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
P MENTHA 1(7) 2 DIENE 555-10-2	0 - 10%	209-081-9	-	-	-	-	-
MYRCENE 123-35-3	0 - 10%	204-622-5	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
LIMONENE 138-86-3	0 - 10%	205-341-0	-	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	-	-
5-ISOPROPYL-2-METHYLBICYCLO[3.1.0]HEX-2-ENE 2867-05-2	0 - 10%	220-686-7	-	-	-	-	-
LINALYL ACETATE 115-95-7	0 - 10%	204-116-4	-	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
PARA CYMENE 99-87-6	0 - 10%	202-796-7 (601-094-00-1)	-	Acute Tox. 3 (H331) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	-	-	-
LINALOOL 78-70-6	0 - 10%	201-134-4 (603-235-00-2)	-	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)	-	-	-

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

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

Symptoms	Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation.
Inhalation	Coughing and/ or wheezing. Difficulty in breathing. Dizziness. May be fatal if swallowed and enters airways.
Eyes	May cause redness and tearing of the eyes.
Dermal	Hives. Itching. Rashes. Irritating. Erythema (skin redness). Prolonged contact may cause redness and irritation.

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

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer.
Hazardous combustion products	Carbon oxides.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use with local exhaust ventilation. Use according to package label instructions. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials.

Store in accordance with the particular national regulations.

Packaging materials

Keep/store only in original container.

7.3. Specific end use(s)

Specific use(s)

See section 1 for more information.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
P-MENTHA-1,4-DIENE 99-85-4		0.833 mg/kg bw/day [4] [6]	2.939 mg/m ³ [4] [6]
ALPHA-TERPINENE 99-86-5		0.833333 mg/kg bw/day [4] [6]	2.938596 mg/m ³ [4] [6]
p-MENTHA-1,4(8)-DIENE 586-62-9		1.45 mg/kg/day [4] [6]	5.12 mg/m ³ [4] [6]
LIMONENE 138-86-3		222 µg/cm ² [7]	33.3 mg/m ³ [6]
LINALYL ACETATE 115-95-7		8 mg/cm ² [5] [6]	2.75 mg/m ³ [4] [6]
LINALOOL 78-70-6		15 mg/cm ² [5] [6]	2.8 mg/m ³ [4] [6]

[4]

Systemic health effects.

[5]

Local health effects.

[6]

Long term.

[7]

Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
P-MENTHA-1,4-DIENE 99-85-4	0.417 mg/kg bw/day [4] [6]		0.725 mg/m ³ [4] [6]
ALPHA-TERPINENE 99-86-5	0.4166666 mg/kg bw/day [4] [6]		0.724638 mg/m ³ [4] [6]
p-MENTHA-1,4(8)-DIENE 586-62-9	0.73 mg/kg/day [4] [6]	0.73 mg/kg/day [4] [6]	1.26 mg/m ³ [4] [6]
LIMONENE 138-86-3	4.76 mg/kg [6]	111 µg/cm ² [7]	8.33 mg/m ³ [6]
LINALYL ACETATE	0.2 mg/kg bw/day [4] [6]	8 mg/cm ² [5] [6]	0.68 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
115-95-7			
LINALOOL 78-70-6	0.2 mg/kg/day [4] [6]	15 mg/cm ² [5] [6]	0.7 mg/m ³ [4] [6]

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
P-MENTHA-1,4-DIENE 99-85-4	0.002792 mg/L		0.0002792 mg/L		
ALPHA-TERPINENE 99-86-5	0.0017 mg/L	0.017 mg/L	0.00017 mg/L	0.017 mg/L	
p-MENTHA-1,4(8)-DIENE 586-62-9	5.2 µg/l		0.52 µg/l		
1-METHYL 4-ISO PROPYL-1-CYCLOHEXE N-8-OL 98-55-5	68 µg/L		6.8 µg/L		
LIMONENE 138-86-3	5.4 µg/l		0.54 µg/l		
LINALYL ACETATE 115-95-7	0.011 mg/l	0.11 mg/L	0.0011 mg/l		
LINALOOL 78-70-6	0.2 mg/l	2 mg/L	0.02 mg/l		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
P-MENTHA-1,4-DIENE 99-85-4	0.490056696 mg/kg sediment dw	0.0490056696 mg/kg sediment dw	10 mg/L	0.422765624 mg/kg soil dw	
ALPHA-TERPINENE 99-86-5	0.19618 mg/kg sediment dw	0.01962 mg/kg sediment dw	0.1 mg/L	0.02271 mg/kg soil dw	8.3333 mg/kg food
p-MENTHA-1,4(8)-DIENE 586-62-9	0.581 mg/kg	58.1 mg/kg		113 µg/l	3 mg/l
1-METHYL 4-ISO PROPYL-1-CYCLOHEXE N-8-OL 98-55-5	1.85 mg/kg sediment dw	0.185 mg/kg sediment dw	2.6 mg/L	0.329 mg/kg soil dw	
LIMONENE 138-86-3	1.649 mg/kg/day	0.165 mg/kg/day		0.328 mg/kg	1.8 mg/l
LINALYL ACETATE 115-95-7	0.609 mg/kg	0.0609 mg/kg	1 mg/L	0.115 mg/kg	10 mg/l
LINALOOL 78-70-6	2.22 mg/kg	0.222 mg/kg	10 mg/L	0.327 mg/kg	> 10 mg/l

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.
Hand protection	Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Liquid
Colour	Green-yellow Light (or pale) To yellow
Odour	Characteristic.
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No information available.
Initial boiling point and boiling range		No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point	59 °C	
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH		No information available.
pH (as aqueous solution)		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity		No information available.
Water solubility	Insoluble in water	
Solubility(ies)		No information available.
Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density	0.858 - 0.930	20 °C.
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	Not considered to be explosive.	

Oxidising properties Does not meet the criteria for classification as oxidising

9.2. Other information

Refractive Index 1.465 - 1.475

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Aspiration into lungs can produce severe lung damage. Inhalation may cause severe respiratory irritation and pulmonary edema. May cause drowsiness or dizziness.

Eye contact Causes serious eye irritation.

Skin contact May cause allergic skin reaction. Causes skin irritation.

Ingestion May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
P-MENTH-1-EN-4-OL	= 1300 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
P-MENTHA-1,4-DIENE	= 3650 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
ALPHA-TERPINENE	= 1680 mg/kg (Rat)	-	-
p-MENTHA-1,4(8)-DIENE	= 4390 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-O L	= 5170 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
MYRCENE	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
LIMONENE	= 5300 mg/kg (Rat)	-	-
LINALYL ACETATE	= 14550 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
PARA CYMENE	= 4750 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 9.7 mg/L (Rat) 5 h
LINALOOL	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Other adverse effects	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
p-MENTHA-1,4(8)-DIENE	-	LC50: =0.805mg/L (96h, Danio rerio)	-	-
LINALYL ACETATE	-	LC50: =11mg/L (96h, Cyprinus carpio)	-	-
LINALOOL	EC50: =88.3mg/L (96h, Desmodium subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss)	-	EC50: =20mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
P-MENTHA-1,4-DIENE	5.4
ALPHA-TERPINENE	5.3
MYRCENE	4.82
LINALYL ACETATE	3.9
PARA CYMENE	4.8
LINALOOL	2.9

12.4. Mobility in soil

Mobility in soil Insoluble.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
P-MENTH-1-EN-4-OL	The substance is not PBT / vPvB
P-MENTHA-1,4-DIENE	The substance is not PBT / vPvB
ALPHA-TERPINENE	The substance is not PBT / vPvB
p-MENTHA-1,4(8)-DIENE	The substance is not PBT / vPvB
1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL	The substance is not PBT / vPvB
MYRCENE	The substance is not PBT / vPvB
LINALYL ACETATE	The substance is not PBT / vPvB
PARA CYMENE	The substance is not PBT / vPvB
LINALOOL	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	UN1197
14.2 UN proper shipping name	EXTRACTS, LIQUID
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	A3
ERG Code	3L

IMDG

14.1 UN number or ID number	UN1197
UN proper shipping name	EXTRACTS, LIQUID
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	223, 955
EmS-No	F-E, S-D
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

RID

14.1 UN number or ID number	UN1197
14.2 UN proper shipping name	EXTRACTS, LIQUID
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	601
Classification code	F1

ADR

14.1 UN number or ID number	UN1197
14.2 UN proper shipping name	EXTRACTS, LIQUID
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	601
Classification code	F1
Tunnel restriction code	(D/E)

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Dangerous substance category per COMAH Regulations 2015 (as amended)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

P5c - FLAMMABLE LIQUIDS

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H361d - Suspected of damaging 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

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note ***Indicates updated data since last publication

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Prepared By Jitendra Panchal

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**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet