



Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 08/03/2021 Supersedes: 14/07/2016 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Product name : Orchid Myst
Type of product : Solution
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Use of the substance/mixture : Orchid leaf spray

1.2.2. Uses advised against

Restrictions on use : Not applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer

Growth Technology Limited
Great Western Way
TA2 6BX Taunton - UK
T +44 (0)1823 325291
info@growthtechnology.com - www.growthtechnology.com

1.4. Emergency telephone number

Emergency number : +44 (0)1823 325291
office hours only:
Monday - Friday
0800 - 1700 (GMT/UTC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.
Bioaccumulation is not expected to occur

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixtures

Comments : Non hazardous mixture
A safety data sheet is not required for this product. This document was created on a voluntary basis

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
WATER	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	>95	Not classified
Avocado oil	(CAS-No.) 8024-32-6 (EC-No.) 232-428-0	<1	Not classified

Comments : Contains no other components which will influence the classification of the product

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : Rinse skin with water/shower.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation : Inhalation of liquid or overexposure to vapours may cause coughing.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire. Dry chemical, CO₂, or water spray or regular foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : None to our knowledge.

5.3. Advice for firefighters

Firefighting instructions : Do not allow run-off from fire-fighting to enter drains or water courses.
Protection during firefighting : Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep out of reach of children. Do not handle until all safety precautions have been read and understood.

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.
Emergency procedures : Ventilate area.

6.1.2. For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. Cover spill with non combustible material, e.g.: sand, earth, vermiculite. For a large spillage, contain the spillage by bunding.
Methods for cleaning up : Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal. Clean contaminated surfaces with an excess of water.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

SECTION 8. SECTION 11. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Do not handle until all safety precautions have been read and understood.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep out of reach of children.
Storage conditions : Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products : None to our knowledge.
Storage temperature : ≤ 25 °C

7.3. Specific end use(s)

Orchid leaf spray.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Not required for normal conditions of use.

Personal protective equipment:

No special precautions are necessary if the product is used correctly.

Materials for protective clothing:

Not required for normal conditions of use

Hand protection:

Not required for normal conditions of use

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Eye protection:

No special precautions are necessary if the product is used correctly

Skin and body protection:

Not required for normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Thermal hazard protection:

Not required for normal conditions of use.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear to slightly hazy liquid.
Colour	: Pale Yellow to Amber.
Odour	: characteristic. Lavender.
Odour threshold	: Not applicable
pH	: 4 – 6
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: Not applicable (aqueous liquid)
Freezing point	: ≈ 0 °C
Boiling point	: ≈ 100 °C
Flash point	: Not applicable (aqueous non combustible product)
Auto-ignition temperature	: Not applicable (aqueous non combustible product)
Decomposition temperature	: Not determined for product as chemical composition does not present hazard.
Flammability (solid, gas)	: Not applicable (aqueous liquid)
Vapour pressure	: Not determined, product is non volatile and therefore not expected to pose a hazard.
Vapour pressure at 50 °C	: Not determined, product is non volatile and therefore not expected to pose a hazard.
Relative vapour density at 20 °C	: Not determined, product is non volatile at 20°C and therefore not expected to pose a hazard.
Relative density	: 1
Density	: 1000 kg/m ³
Solubility	: Moderately soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: Not determined
Partition coefficient n-octanol/water (Log Kow)	: Not determined
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not determined as product has low viscosity and this property is not considered relevant for usage or hazard potential of product
Explosive properties	: Not expected to be a fire/explosion hazard under normal conditions of use.
Oxidising properties	: Does not meet the criteria for classification as oxidising.
Explosive limits	: Not determined as not considered to pose an explosion hazard under normal conditions of usage or storage Not applicable (aqueous non combustible product)

9.2. Other information

No additional information available

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep out of direct sunlight.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 4 – 6
Serious eye damage/irritation	: Not classified pH: 4 – 6
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.2. Persistence and degradability

Orchid Myst

Persistence and degradability	Expected to be biodegradable.
-------------------------------	-------------------------------

12.3. Bioaccumulative potential

Orchid Myst

Partition coefficient n-octanol/water (Log Pow)	Not determined
Partition coefficient n-octanol/water (Log Kow)	Not determined
Bioaccumulative potential	Bioaccumulation is not expected to occur.

12.4. Mobility in soil

Orchid Myst

Ecology - soil	Expected to be highly mobile in soil.
----------------	---------------------------------------

12.5. Results of PBT and vPvB assessment

Orchid Myst

Bioaccumulation is not expected to occur

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Prevent entry to sewers and public waters.
Product/Packaging disposal recommendations	: Completely empty the packaging prior to decontamination. Clean using water and a detergent. May be disposed of with non-hazardous industrial waste.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1.1	Product identifier	Update	
1.2	Specific end uses	Update	
3.2	Composition/information on ingredients	Added	
4	First aid measures	Update	
5	Firefighting measures	Update	
6	Accidental release measures	Update	
7.3	Specific end uses	Update	
8	Exposure controls	Added	
9	Physical and chemical properties	Update	
10.4	Conditions to avoid	Update	
11	Toxicological information	Update	
13.1	Waste treatment methods	Update	

Orchid Myst

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

15	Regulatory information	Added	
16	Other information	Added	

Abbreviations and acronyms:	
SDS	Safety Data Sheet
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
DNEL	Derived-No Effect Level
PNEC	Predicted No-Effect Concentration
CAS-No.	Chemical Abstract Service number
EC-No.	European Community number
EN	European Standard
OEL	Occupational Exposure Limit
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
DMEL	Derived Minimal Effect level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
IOELV	Indicative Occupational Exposure Limit Value

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.