

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No. 2020/878



Trade name : X201000 ORCHIDS FERTILIZER
Revision date : 20/01/2023
Print date : 20/01/2023

Version : 1.0.0

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

1.1 Product identifier

ORCHIDS FERTILIZER

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

Plant care product.

1.3 Details of the supplier of the safety data sheet

Blumen Group S.p.a.
Via Carlo Strinati 7/9 - Loc. Le Mose
29122 Piacenza (PC)
Italy
tel. +39 0523 573211
fax +39 0523 573298
mail: msds@blumen.it

1.4 Emergency telephone number

+39 0523 573211 from 8.30 to 13.00 and from 14.00 to 17.00.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The product is not classified as dangerous according to regulation (EC) 1272/2008 [CLP].

2.2 Label elements

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

Precautionary statements

P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

2.3 Other hazards

Other adverse effects

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1); CAS No. : 55965-84-9; Index No. : 613-167-00-5

Weight fraction : $\geq 0,00015 - < 0,0015$ %
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H310 Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 EUH071
Specific Conc. Limits : Eye Dam. 1 ; H318: C $\geq 0,6$ % • Skin Corr. 1C ; H314: C $\geq 0,6$ % • Eye Irrit. 2 ;

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H319: C ≥ 0,06 % • Skin Irrit. 2 ; H315: C ≥ 0,06 % • Skin Sens. 1A ; H317: C ≥ 0,0015 % • (M=100)

Additional information

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

In case of accident or if you feel unwell seek medical advice immediately.

In case of skin contact

Rinse immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately with plenty of water, with eyelids open. Remove contact lenses, if present, and rinse eyes with water at least for 15 minutes.

After ingestion

Rinse mouth with water, without swallowing. In case of accident or if you feel unwell seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical advice.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), extinguishing powder, water haze, foam.

Unsuitable extinguishing media

Full water jet. Water is inappropriate to extinguish fire, but it is suitable to cool down the containers exposed to the flames.

5.2 Special hazards arising from the substance or mixture

Toxic and irritant gases such as carbon oxide (CO), carbon dioxide (CO₂) and nitrogen oxides may be released by thermal combustion. Avoid breathing gases. Exposure to combustion and decomposition products may be dangerous for health.

5.3 Advice for firefighters

Always wear full fire-protection equipment. If it is safe, remove the products from the fire area or cool down the containers by means full water jets to prevent pressure rise inside the containers. Collect fire-extinction water, which should not be dumped into drains. Avoid contact with product or its container without suitable protective equipment.

Special protective equipment for firefighters

Fire resistant equipment such as self-contained breathing apparatus (EN 137), fire-resistant coverall (EN 469), fire-resistant gloves (EN 659) and firemen boots.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

For non-emergency personnel

Keep away people not involved in the emergency operation. Contact the emergency staff on duty or the Fire

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Department.

For emergency responders

Comply with the internal emergency plan. Wear suitable protection equipment (protective clothing mask, gloves, goggles) to prevent contamination of skin, eyes and personal clothing.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Collect the spillage product with non-sparking tools into containers for recovery or disposal.

For cleaning up

The contaminated area should be immediately cleaned with water or cleaning agent. Provide adequate ventilation.

6.4 Reference to other sections

Further information regarding individual protection and disposal is given at paragraphs 8 and 13.

SECTION 7: Handling and storage



When using do not eat, drink, smoke.

7.1 Precautions for safe handling

Recommended safety equipment is reported at paragraph 8. After contact with skin, wash immediately with water and soap.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Keep away from heat, sun-light and humidity.

Hints on joint storage

Keep away from

Keep away from food, drinks and animal feeding stuff.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep locked up and out of reach of children. Keep/Store only in original container.

7.3 Specific end use(s)

Recommendation

The product user is responsible for any damage resulting from improper use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protection equipment



Eye/face protection

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Suitable eye protection

None, if used as directed.

Skin protection

Hand protection

Wear suitable protective gloves (DIN EN 374). Wash hands before eating, drinking or smoking.

Respiratory protection

None, if used as directed.

Thermal hazards

No information available.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : pigmented

Odour : characteristic

Safety characteristics

Melting point/freezing point :	(1013 hPa)		No data available
Freezing point :	(1013 hPa)		No data available
Initial boiling point and boiling range :	(1013 hPa)	>	100 °C
Flash point :		>	60 °C
Auto-ignition temperature :			No data available
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Vapour pressure :	(50 °C)		No data available
Density :	(20 °C)		No data available
Relative density :	(20 °C)		No data available
pH :			No data available
log P O/W :			No data available
Viscosity :	(20 °C)		No data available
Odour threshold :			No data available
Relative vapour density :	(20 °C)		No data available
Evaporation rate :			No data available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions(See section 7).

10.2 Chemical stability

The product is stable if stored under normal ambient temperature and pressure conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

To prevent degradation, do not expose to high temperatures or frost.

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10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

The burning of the product may release toxic gasses dangerous for the human health.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Available data show no specific hazards.

Corrosion

Skin corrosion/irritation

Available data show no specific hazards.

Serious eye damage/eye irritation

Available data show no specific hazards.

Irritation to respiratory tract

Available data show no specific hazards.

Respiratory or skin sensitisation

Skin sensitisation

Contains REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

Sensitisation to the respiratory tract

Available data show no specific hazards.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

11.2 Information on other hazards

The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1)

SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1)

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

Disposal of the product/packaging

Disposal in accordance with local authority regulations. Avoid dispersing the product in the ground, in sewers or watercourses.

Waste treatment options

Appropriate disposal / Product

Dispose of in compliance with current regulations.

Appropriate disposal / Packaging

Dispose of in compliance with current regulations.

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU legislation

The classification was elaborated according to the calculation method of the Regulation (EC) No. 1272/2008 [CLP]. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) and amendments: Regulation (CE) No. 453/2010, Regulation (CE) No. 830/2015 and Regulation (CE) No. 878/2020. Labelling according to Regulation (EC) No. 1272/2008 [CLP].

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

First version.

16.2 Abbreviations and acronyms

LEGENDA:

ADR: Accord européen relative au transport international des marchandises dangereuses par route
ASTM: ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)

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EINECS:	European Inventory of Existing Commercial Chemical Substances
EC50:	Effective Concentration 50
LC50:	Lethal Concentration 50
IC50:	Inhibitor Concentration 50
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labelling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernent le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative
N.D.:	No data available.
N.A.:	Not applicable
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)

16.3 Key literature references and sources for data

Data taken from the Safety Data Sheets of Suppliers.

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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