

Safety data sheet

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BASF Safety data sheet
Date / Revised: 08.08.2024
Product: **Green Lawnger**

Version: 5.2

(30584673/SDS_GEN_AU/EN)

Date of print: 12.11.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
Green Lawnger

Use: Decorative colorant for use in horticulture and landscaping

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 23, 40 City Road, Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

Precautionary Statement:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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May produce an allergic reaction. Contains:
1,2-benzisothiazol-3(2H)-one

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

blend of pigments

Hazardous ingredients

Alcohols, C12-16, ethoxylated

Content (W/W): < 1 %

CAS Number: 68551-12-2

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

Eye Dam./Irrit.: Cat. 1

Aquatic Acute: Cat. 1

1,2-benzisothiazol-3(2H)-one

Content (W/W): < 0.05 %

CAS Number: 2634-33-5

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

Eye Dam./Irrit.: Cat. 1

Skin Sens.: Cat. 1

Aquatic Acute: Cat. 1

Aquatic Chronic: Cat. 1

M-factor acute: 1

M-factor chronic: 1

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

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Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Specific hazards:
carbon monoxide, disodium oxide, Sulphur dioxide, carbon dioxide, nitrogen oxides, cyanides, sulfur oxides, silica compounds, phosphorus oxides, aluminum compounds
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:
Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

propane-1,2-diol, 57-55-6;

TWA value 474 mg/m³ ; 150 ppm (AU NOEL), Total vapour and particulates

TWA value 10 mg/m³ (AU NOEL), Particulate

TWA value 474 mg/m³ ; 150 ppm (OEL (AU)), Total vapour and particulates

TWA value 10 mg/m³ (OEL (AU)), Particulate

Copper, [29H,31H-phthalocyaninato(2-)-.kappa.N29,.kappa.N30,.kappa.N 31,.kappa.N32]-, (SP-4-1)-, 147-14-8;

TWA value 0.2 mg/m³ (ACGIHTLV), fumes/smoke

Measured as: copper (Cu)

TWA value 1 mg/m³ (ACGIHTLV), Dust and mist

Measured as: copper (Cu)

Kaolin, 1332-58-7;

TWA value 2 mg/m³ (ACGIHTLV), Respirable fraction

The value is for particulate matter containing no asbestos and <1% crystalline silica.

TWA value 10 mg/m³ (AU NOEL), Inhalable dust

This value is for inhalable dust containing no asbestos and < 1% crystalline silica.

TWA value 10 mg/m³ (OEL (AU)), Inhalable dust

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Hand protection not required.

Eye protection:

Eye protection not required.

Body protection:

Standard work clothes and shoes.

General safety and hygiene measures:

No special measures necessary if stored and handled correctly.

9. Physical and Chemical Properties

Form:	liquid
Colour:	green
Odour:	mild
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	approx. 8.5 - 9.5 (20 °C)
Melting temperature:	approx. 0 °C Information applies to the solvent.
Boiling point:	approx. 100 °C Information applies to the solvent.
Flash point:	> 250 °C
Evaporation rate:	not applicable
Flammability (solid/gas):	not applicable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	Based on the water content the product does not ignite.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.
Vapour pressure:	approx. 23.4 hPa (20 °C) Information applies to the solvent.
Density:	approx. 1.08 g/cm ³ (20 °C)

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Relative vapour density (air):
not applicable

Solubility in water: dispersible
Partitioning coefficient n-octanol/water (log Pow):
not applicable

Viscosity, dynamic: approx. 600 mPa.s
(25 °C)
Information based on the main
component/s.

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:
The product is stable if stored and handled as prescribed/indicated.

Reactivity:
No hazardous reactions if stored and handled as prescribed/indicated.

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Acute oral toxicity

Experimental/calculated data:
LD50 rat (oral): 3,500 mg/kg (BASF-Test)

Information on: vinyl acetate

Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 15.8 mg/l 4490 ppm 4 h

Determined for vapor The vapour was tested.

Information on: vinyl acetate

Acute dermal toxicity

Experimental/calculated data:

LD50 rabbit (dermal): 7,440 mg/kg

Symptoms

Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

(Further) symptoms and / or effects are not known so far

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

Information on: vinyl acetate

Experimental/calculated data:

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: Non-sensitizing. (OECD Guideline 429)

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure)

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Assessment of repeated dose toxicity:

The substance may cause damage to the upper respiratory tract after repeated inhalation, as shown in animal studies. Repeated oral uptake of the substance did not cause substance-related effects.

Information on: Kaolin

Assessment of repeated dose toxicity:

Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

Information on: 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects. Short-term inhalation (5 days) of low aerosol concentrations did not cause substance-specific effects in animal

studies. Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Toxicity to fish:

LC50 (48 h) 26 mg/l, *Leuciscus idus* (other, static)

Information on: vinyl acetate

Aquatic invertebrates:

EC50 (48 h) 12.6 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, other)

Limit concentration test only (LIMIT test).

Information on: vinyl acetate

Aquatic plants:

No observed effect concentration (72 h) 5.96 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

EC50 (72 h) 12.7 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

Mobility

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Assessment transport between environmental compartments:

The substance will slowly evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: vinyl acetate

Information on: 1,2-benzisothiazol-3(2H)-one

Bioaccumulation potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1,2-benzisothiazol-3(2H)-one

Bioaccumulation potential:

Bioconcentration factor: 6.62 (56 d), *Lepomis macrochirus* (measured)

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

UN number or ID number	Not classified as a dangerous good under transport regulations
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

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UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known

Air transport IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status:

AICIS, AU

Contains categorised (according to AICIS scheme), non-listed substance., Can be purchased domestically from BASF., For import, individual registration may be required., Specific information requirements may apply., Please contact your BASF representative.

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

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