

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 1/12  
(30584673/SDS\_GEN\_US/EN)

### 1. Identification

**Product identifier used on the label**

**Green Lawnger**

**Recommended use of the chemical and restriction on use**

Recommended use\*: colouring component

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:  
BASF SE  
67056 Ludwigshafen  
GERMANY

Contact address:  
BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932  
USA  
Telephone: +1 973 245-6000

**Emergency telephone number**

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

**Other means of identification**

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### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product**

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization

**Label elements**

Pictogram:

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 2/12  
(30584673/SDS\_GEN\_US/EN)



Signal Word:  
Warning

Hazard Statement:

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

#### Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 45 % dermal

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 12 % oral

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 47 % Inhalation - vapour

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 47 % Inhalation - mist

## 3. Composition / Information on Ingredients

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
24937-78-8	10.0 - 15.0% 1.0 - 3.0%	Acetic acid ethenyl ester, polymer with ethene (EVA) polymer solution
1332-58-7	5.0 - 15.0% 1.0 - 3.0%	Kaolin pigment solution
2634-33-5	< 0.05%	1,2-benzisothiazol-3(2H)-one
57-55-6	1.0 - 5.0%	Propylene glycol
147-14-8	0.1 - 2.0%	C.I. Pigment Blue 15
1333-86-4	0.1 - 1.0%	carbon black

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 3/12  
(30584673/SDS\_GEN\_US/EN)

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Remove contaminated clothing.

##### If inhaled:

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

##### If on skin:

Wash thoroughly with soap and water.

##### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

##### If swallowed:

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

#### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

Treatment:

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

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:

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.

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 4/12  
(30584673/SDS\_GEN\_US/EN)

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

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 and material for containment and cleaning 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. Wear suitable protective equipment.

### 7. Handling and Storage

#### Precautions for safe 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:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

#### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

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

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

C.I. Pigment Blue 15

ACGIH TLV	TWA value 0.2 mg/m <sup>3</sup> fumes/smoke (copper (Cu)); TWA value 1 mg/m <sup>3</sup> Dust and mist (copper (Cu));
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Kaolin

OSHA PEL	PEL 5 mg/m <sup>3</sup> Respirable fraction ; PEL 15 mg/m <sup>3</sup> Total dust ; TWA value 5 mg/m <sup>3</sup> Respirable fraction ; TWA value 10 mg/m <sup>3</sup> Total dust ;
ACGIH TLV	TWA value 2 mg/m <sup>3</sup> Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 5/12  
(30584673/SDS\_GEN\_US/EN)

### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

#### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form:	liquid
Odour:	mild
Odour threshold:	Not determined due to potential health hazard by inhalation.
Colour:	green
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
Flammability:	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.

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 6/12  
(30584673/SDS\_GEN\_US/EN)

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.
Autoignition:	Based on the water content the product does not ignite.
Vapour pressure:	approx. 23.4 hPa ( 20 °C)
Density:	Information applies to the solvent. approx. 1.08 g/cm3 ( 20 °C)
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	approx. 600 mPa.s ( 25 °C) Information based on the main components.
Solubility in water:	dispersible
Evaporation rate:	not applicable
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

### Reactivity

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

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### Chemical stability

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

### Possibility of hazardous reactions

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

### Conditions to avoid

See MSDS section 7 - Handling and storage.

### Incompatible materials

strong acids, strong bases, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 7/12  
(30584673/SDS\_GEN\_US/EN)

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

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.

##### Oral

Type of value: ATE  
Value: > 5,000 mg/kg

*Information on: Kaolin*

Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg

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##### Inhalation

Type of value: ATE  
Value: > 20.0000 mg/l  
Determined for vapor

Type of value: ATE  
Value: > 5.0000 mg/l  
Determined for mist

*Information on: Propylene glycol*

Type of value: LC50  
Species: rabbit  
Value: > 317042 mg/m3  
Exposure time: 2 h

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##### Dermal

Type of value: ATE  
Value: > 5,000 mg/kg

*Information on: Kaolin*

Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg

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##### Assessment other acute effects

Assessment of STOT single:

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

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

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 8/12  
(30584673/SDS\_GEN\_US/EN)

### Irritation / corrosion

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.

### Skin

*Information on: Kaolin*

*Species: rabbit*

*Result: non-irritant*

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### Eye

*Information on: Kaolin*

*Species: rabbit*

*Result: Slightly irritating.*

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### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Acetic acid ethenyl ester, polymer with ethene (EVA)*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

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## **Chronic Toxicity/Effects**

### Repeated dose toxicity

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: Kaolin*

*Assessment of repeated dose toxicity: Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.*

*Information on: Propylene glycol*

*Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects.*

*Repeated inhalative uptake of the substance did not cause substance-related effects.*

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### Genetic toxicity

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: Kaolin*

*Assessment of carcinogenicity: The American Conference of Governmental Industrial Hygienists (ACGIH) has classified this substance as Group A4 - Not classifiable as human carcinogen.*

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# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 9/12  
(30584673/SDS\_GEN\_US/EN)

### 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.

### Teratogenicity

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.

### Other Information

Misuse can be harmful to health.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

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.

#### Toxicity to fish

*Information on: Propylene glycol*

*LC50 (96 h) 40,613 mg/l, Oncorhynchus mykiss (Fish test acute, static)*  
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#### Aquatic invertebrates

*Information on: Propylene glycol*

*EC50 (48 h) 18,800 mg/l, Mysidopsis bahia*  
*LC50 (48 h) 18,340 mg/l, Ceriodaphnia dubia (other)*  
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#### Aquatic plants

*Information on: Propylene glycol*

*EC50 (72 h) 24,200 mg/l (growth rate), Selenastrum capricornutum (OECD Guideline 201)*  
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#### Chronic toxicity to fish

*Information on: Propylene glycol*

Study scientifically not justified.  
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#### Chronic toxicity to aquatic invertebrates

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 10/12  
(30584673/SDS\_GEN\_US/EN)

*Information on: Propylene glycol*

*No observed effect concentration (7 d) 13,020 mg/l, Ceriodaphnia sp.*

### Persistence and degradability

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

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

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

*Information on: Kaolin*

*Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.*

### Bioaccumulative potential

#### Assessment bioaccumulation potential

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

#### Bioaccumulation potential

*Information on: Kaolin*

*Accumulation in organisms is not to be expected. The product will not be readily bioavailable due to its consistency and insolubility in water.*

### Mobility in soil

#### 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: C.I. Pigment Blue 15*

*Adsorption to solid soil phase is not expected.*

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## 13. Disposal considerations

#### **Waste disposal of substance:**

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

#### **Container disposal:**

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

# Safety Data Sheet

## Green Lawnger

Revision date : 2018/08/16  
Version: 5.0

Page: 11/12  
(30584673/SDS\_GEN\_US/EN)

### 14. Transport Information

**Land transport**  
USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**  
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

#### Federal Regulations

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

#### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	57-55-6	Propylene glycol
	1332-58-7	Kaolin
	1333-86-4	carbon black
MA	1332-58-7	Kaolin
	1333-86-4	carbon black
	1333-86-4	carbon black
NJ	147-14-8	C.I. Pigment Blue 15
	57-55-6	Propylene glycol
	1332-58-7	Kaolin

#### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE [ $\leq 10$  MICROMETERS]), which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2018/08/16

# Safety Data Sheet

## Green Lawngr

Revision date : 2018/08/16  
Version: 5.0

Page: 12/12  
(30584673/SDS\_GEN\_US/EN)

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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END OF DATA SHEET