

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

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

1.1. Product identifier:**Green Swirl**

UFI: A300-W0XJ-C00P-GDAA

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

Drain opener.

1.3. Details of the supplier of the safety data sheet:

GreenSwirl ApS

Birk Centerpark 40 Phone: +45 53 780 280

DK-7400 Herning

Responsible person for the safety data sheet (e-mail): info@greenswirl.eu

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Inorganic mixture, that causes serious eye damage.

CLP (1272/2008): Eye Dam. 1;H318

Wording of hazard statement(s) – see Section 2.2

2.2. Label elements:

Contains: Sodium hydrogen sulphate

DANGER

H318: Causes serious eye damage.

P280: Wear protective gloves/eye protection.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

By consumer use, the following P-statements must be added:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

2.3. Other hazards:

Risk of dust explosion by accumulation of large amounts of powder, spark formation and self-ignition.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria set out in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
60-<100	Sodium hydrogen sulphate	7681-38-1	231-665-7	016-046-00-X	Not received	Eye Dam. 1;H318

Wording of hazard statement(s) – see Section 2.2.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact: Remove all contaminated clothing. Wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water for at least 15 minutes, holding eyelids open; remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.

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

Damage to eyes and irritation of the respiratory system when inhaling powder/dust.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1. Extinguishing media:

Carbon dioxide, dry chemical, sand, foam or water fog. Do not use water jet.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. Remove containers if possible or keep them cool by spraying with water.

5.3. Advice for firefighters:

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8. Avoid further spreading and dust formation. Ventilate area of spill.

6.2. Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Keep the powder moist. Sweep up or use vacuum suction (EX) and collect spillage and place in a suitable container for disposal.

Flush area of spill with water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid breathing of dust. Avoid contact with skin, eyes and clothing. Change contaminated clothing. Wash with water and soap after work. Do not open bags if they are not to be used instantly.

7.2. Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and dry.

Store securely and out of reach of unauthorized personnel and separated from food, feed etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

Occupational exposure limits from national Authority: None assigned

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation. Take precautions against static electricity.

Personal protective equipment:

Respiratory protection: Not required when sufficient ventilation is provided. In case of inadequate ventilation/dust formation: Use an approved mask with a particle filter type P2 (EN 149). The filter has a limited lifetime and must be changed. Read the instruction.

Skin protection: Wear protective gloves of e.g., nitrile rubber (EN 374). There are no available data for breakthrough time therefore, it is recommended to change the glove if contaminated.

Eye protection: Wear tightly fitting safety goggles (EN ISO 16321-1).

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Granulate / Powder
Colour:	White
Odour:	None
Melting point/freezing point (°C):	~ 180
Boiling point or initial boiling point and boiling range (°C):	Not determined
Flammability (solid, gas):	Not flammable
Lower and upper explosion limit (vol-%):	Not determined
Flash point (°C):	Not determined - solid
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
pH (20°C):	~ 2
Kinematic viscosity:	Not determined
Solubility (g/l, 25 °C):	290 (soluble in water)
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure (Pa v. 25°C):	Not determined
Density and/or relative density (g/cm ³ , 20°C):	2.74
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2. Other information:

VOC (%):	0
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SECTION 10: Stability and reactivity

10.1. Reactivity:

No available data.

10.2. Chemical stability:

Stable under normal conditions (see section 7). Combustible.

10.3. Possibility of hazardous reactions:

Risk of dust explosion, when dust is formed during work.

10.4. Conditions to avoid:

Avoid heating and contact with ignition sources. Avoid dust formation during handling because of the risk of dust explosion.

10.5. Incompatible materials:

No available information.

10.6. Hazardous decomposition products:

Thermal decomposition may produce oxides of sulphur.

SECTION 11: Toxicological information

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

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Eye Dam. 1;H318 -Causes serious eye damage.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Hazard class	Data (Sodium hydrogen sulphate)	Test	Reference
Acute toxicity:			
Inhalation	No available data.	-	-
Dermal	No available data.	-	-
Oral	LD ₅₀ (rat) = 2140 mg/kg	No information	Supplier
Corrosion/irritation:	No skin irritation, rabbit Serious and irreversible eye irritation, rabbit	OECD 404 OECD 405	ECHA diss. ECHA diss.
Sensitization:	No available data.	-	-
CMR:	No available data.	-	-

SECTION 11: Toxicological information

Information on likely routes of exposure: Lungs, skin and gastrointestinal tract.

Symptoms:

Inhalation: Inhalation of dust may irritate the upper respiratory tract with coughing.

Skin: May cause slight irritation with redness.

Eyes: Causes serious irritation/damage with redness, pain and blurred vision.

Ingestion: Discomfort and nausea may occur.

Chronic effects: None known.

11.2. Information on other hazards:

None known.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data (Sodium hydrogen sulphate)	Test (Media)	Data source
Fish	LC ₅₀ (Fathead minnow, 96 h): 7960 mg/l	No information	Supplier
Daphnia	EC ₅₀ (Daphnia magna, 48 h): 105-153 mg/l	No information (FW)	EPA Ecotox
Algae	EC ₅₀ (Nitzschia linearis, 96 h): 1900 mg/l	No information	Supplier

12.2. Persistence and degradability:

Test of degradability is not relevant for inorganic substances.

12.3. Bioaccumulative potential:

BCF = 0.5 (calculated) (no significant bioaccumulation is expected).

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB, according to the criteria set out in CLP Regulation 2023/707.

12.6. Endocrine disrupting properties:

None known.

12.7. Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The chemical is to be considered as hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code:

20 01 14

SECTION 14: Transport information

Not dangerous goods according to ADR/RID/IMDG/IATA).

14.1. UN number or ID number: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: No.

14.6. Special precautions for user: None.

14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

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

None.

15.2. Chemical safety assessment:

No CSR.

SECTION 16: Other information

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50%

FW = Fresh Water

LC₅₀ = Lethal Concentration 50%

LD₅₀ = Lethal Dose 50%

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

ECHA = European Chemical Agency Registration dossier

EPA Ecotox = US Environmental Protection Agency (database)

HSDB = Hazardous Substance DataBase

TOXNET = Toxicology Data Network via Toxline database

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant – first edition

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