

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)

PRODUCT NAME: GAUSS
REVISION DATE: 05.04.2021
VERSION: 00
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name GAUSS

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

Product Description: Plant Growth Regulator

1.3. Details of the supplier of the safety data sheet

Company: HEKTAŞ TİC. T.A.Ş

Address: G.O.S.B. İhsan Dede Cad. 700. Sok. 41480 Gebze / KOCAELİ

Telephone: +90 262 751 14 12

E-mail: sds@hektas.com.tr

1.4. Emergency telephone number

Telephone: +90 262 751 14 12

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Acute toxicity (Category 4), H312
Acute toxicity (Category 4), H332
Skin Corr. (Category 1C), H314
Chronic aquatic toxicity, Category 3, H412

2.2 Label elements



Danger

Hazard Statements:

H312: Harmful in contact with skin

H332: Harmful if inhaled

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H314: Causes severe skin burns and eye damage
H412: Harmful to aquatic life with long-lasting effects
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements:

P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P312: Call a POISON CENTER/ doctor if you feel unwell.
P405: Store locked up.
P501: Dispose of contents/container to in accordance with local regulation

2.3. Other hazards: No information available.

For the classifications not written out in full in this section the full text can be found in section 16.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

3.2 Mixtures

Hazardous Component	% by Weight	CAS Number	Classification
Ethephon	60-65	16672-87-0	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1C, H314 Aquatic Chronic 3, H412
Cyclanilide	3-4	113136-77-9	Acute Tox. 4, H302 Aquatic Chronic 2, H411
Filler	>30	-	-

For the classifications not written out in full in this section the full text can be found in section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

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Move out of dangerous area. Place and transport victim in stable position (lying sideways).
Remove contaminated clothing immediately and dispose of safely.

Inhalation

Move to fresh air. Keep patient warm and at rest. If effects occur, consult a physician.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison Control center or doctor for treatment advice if effects persist.

Eye contact

Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice if effects persist.

Ingestion

Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person. Get medical attention immediately.

NOTE: There is no special antidote. Treatment is applied according to the symptoms. In case of severe poisoning by inhalation, the patient should be kept under control for 72 hours against pulmonary edema that may occur later. In poisoning cases that may occur by swallowing, washing should be done carefully against the possibility of stomach and intestine perforation. Considering that the drug is acidic, alkaline agents should not be used to neutralize it. Because this process is contraindicated.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Water Spray, Carbon dioxide (CO₂), Foam, Sand

5.2 Special hazards arising from the substance or mixture

During a fire this product may release smoke and hazardous decomposition products.

In the event of fire the following can be released:

Carbon monoxide (CO), Carbon dioxide (CO₂)

Nitrogen oxides (NO_x), phosphorus oxide, hydrogen chloride

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5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

Wear positive-pressure, self-contained breathing apparatus and full protective clothing.

Further information

Contain the spread of the fire-fighting media.

Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

6.2. Environmental precautions

Do not allow to get into surface water, drains and ground water.

6.3. Methods and material for containment and cleaning up

Remove ignition sources. Soak up with inert absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid skin and eye contact. Wash hands before eating, drinking, chewing gum, using tobacco. Avoid breathing vapors or mist. Avoid contact with clothing. Wash clothing after use. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeds. Keep away from heat, sparks and flames.

7.3. Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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8.1 Control parameters

8.2. Exposure controls

Personal protective equipment

Respiratory Protection: Wear respirator. Use with adequate ventilation

Hand Protection: Wear impermeable gloves to avoid skin contact. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Wear safety glasses to avoid eye contact

Skin and body protection: Wear standard coverall

Hygiene measures:

Avoid contact with skin, eyes and clothing. Keep working clothes separately.

Wash hands before breaks and at the end of workday.

Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form: clear liquid

Colour: light brown

Density: 1.380 g/cm³ at 20 °C

pH(10%): 1.0-3.0

Flash Point: Not applicable

Vapour Pressure: <0.01 mPa (20 °C) (ethephon)

Partition coefficient (n-octanol / water): logP <-2.20 (25 °C) (ethephon)

9.2. Other information: No information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under recommended storage conditions

10.2. Chemical stability: Stable under recommended storage conditions

10.3. Possibility of hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

10.4. Conditions to avoid: Stable under recommended storage conditions

10.5. Incompatible materials: Zinc, iron, copper, strong bases, strong oxidizing agents, steel, aluminum, sodium chloride.

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10.6. Hazardous decomposition products: No hazardous reactions when stored and handled according to prescribed instructions. During a fire this product may release carbon monoxide (CO), carbon dioxide (CO₂), Nitrogen oxides (NO_x), phosphorus oxide, hydrogen chloride

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Active ingredient data: Ethephon

Acute Oral Toxicity LD₅₀ (rat): 3030 mg/kg

Acute Dermal Toxicity LD₅₀ (rabbit): 1560 mg/kg

LC₅₀ inhalation rat: >5.52 mg/l air/4 h

Irritating to skin (rabbits).

Irritating to eyes (rabbits).

Active ingredient data: Cyclanilide

LD₅₀ oral (rat): 208 mg/kg

LD₅₀ dermal (rabbit) > 2000 mg/kg

LC₅₀ inhalation rat: 5.15 mg/l /4 h

Slightly irritating to skin (rabbits).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Active ingredient data: Ethephon

Bobwhite quail LD₅₀: 1072 mg/kg

Rainbow trout: 720 mg/l/96 h

Daphnia LC₅₀ (48h): 1000 mg/l

Active ingredient data: Cyclanilide

Bobwhite quail oral LD₅₀: 216 mg/kg

Rainbow Trout LC₅₀ (96 h) > 11 mg/l

Daphnia EC₅₀ (48 h) > 13 mg/l

12.2. Persistence and degradability: Decomposes rapidly in the soil. (ethephon)

12.3. Bioaccumulative potential: logP <-2.20 (25 °C)(ethephon), logP: 3.25 (21 °C)(cyclanilide)

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12.4. Mobility in soil: low mobility (ethephon)

12.5. Results of PBT and vPvB assessment: No information available.

12.6. Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

In accordance with federal, provincial and local regulations.

14. TRANSPORT INFORMATION

UN-No **3265**

Class **8**

Packaging group **III**

Description of the goods **CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S (ethephon)**

Tunnel Code: (E)

15. REGULATORY INFORMATION

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

Regulation (EC) No. 1907/2006

16. OTHER INFORMATION

H302: Harmful if swallowed

H312: Harmful in contact with skin

H332: Harmful if inhaled

H314: Causes severe skin burns and eye damage

H411: Toxic to aquatic life with long-lasting effects

H412: Harmful to aquatic life with long-lasting effects

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with the respect to the information herein.

SDS Preparer: Esin Gözde Savaş

E-mail: sds@hektas.com.tr

Certificate No: GBF-A-0-2862