

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

1 IDENTITY OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/DISTRIBUTOR

1.1. Identity of the substance/mixture

Name of the product

BALENDIN

1.2. Identified uses of the substance or mixture and uses advised against

Use

Agricultural use. Fungicide.

1.3. Safety data sheet supplier's information

Supplier

ISB GLOBE TARIM A.Ş.

Güzeloba Mah.2272.Sok.10/C

Muratpasa/ANTALYA Tel: 00 90 216 640 55 11

Tel: +90 534 080 99 47

www.isbglobe.com

1.4. emergency phone number

ISB GLOBE: Tel: +90 534 080 99 47

National Poison Information Center (UZEM): 114

Emergency Health Services: 112

2 HAZARDS IDENTIFICATION

2.1 Classification of substance and mixture

Classification (TC 28848)

Physical and chemical damages

It is not classified as harmful.

Human health hazards

It is not classified as harmful.

Environmental damages

Aquatic Acute 1- H400; Aquatic Chronic 1- H410

Full Text for All Hazard Statements is Given in Section 16.

2.2. Label elements

Labeling (28848 TC)



word of warning

Attention

Contents

Difenoconazole (ISO), Fludioxonil (ISO)

Hazard statements

H410

Long lasting, very toxic effect in the aquatic environment.

EUH401

To avoid risks to human health and the environment, follow the instructions for use.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Precautionary Statements

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective clothing, gloves, eye and face protection.
P501	Dispose of contents/container according to national regulations.

2.3. Other damages

Based on available data, it does not meet the criteria for classification as PBT or vPvB.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2. mixes

Name	EC No.	CAS No.	Amount	Classification (TC28848)
(+)-Chloromethyl isomentyl ether	---	144177-48-0	5-15%	Skin Irritation 2- H315 Eye Taht. 2- H319 STOT Disposable. 3- H335
Ethenediol	203-473-3	107-21-1	1-5%	Acute Tox. 4- H302
Difenoconazole (ISO)	601-613-1	119446-68-3	1-5%	Acute Tok.4-H302 Aquatic Acute 1- H400 M=10 Aquatic Chronic 1- H410 M=10
Fludioxonil (ISO)	401-340-6	131341-86-1	1-5%	Aquatic Acute 1- H400 M=1 Aquatic Chronic 1- H410 M=10

Full Text for All Hazard Statements is Given in Section 16.

About its composition

- The data is provided in accordance with the latest Turkish and EU regulations.

4 FIRST AID MEASURES

4.1. Description of first aid measures

General Information

In case of accident or if you feel unwell, seek medical attention immediately (show the instructions for use or safety data sheet if possible).

Breathing

Remove affected person to fresh air. If breathing has stopped or slowed down, apply artificial respiration and place in a stable side position for transport. If necessary, supplement oxygen and refer to the nearest health institution. If the patient loses consciousness, seek medical attention.

Swallowing

If the product is swallowed, rinse the patient's mouth with plenty of water and consult a doctor. DO NOT make the patient vomit unless told to do so by the doctor. Never give anything by mouth to an unconscious patient. Get medical support.

Skin Contact

If the body comes into contact with the product, wash it with plenty of water and soap for 15-20 minutes and use a suitable skin cleanser. Immediately remove dirty clothing under running water. Wash clothing before reuse. Consult a doctor if necessary.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Contact with Eyes

Rinse the eyes with plenty of water for 15-20 minutes with the eyelids open, occasionally lifting the lower and upper eyelids. Consult a doctor if necessary.

4.2. The most important symptoms and effects, both acute and delayed

Breathing : It has no known specific symptoms. Prolonged contact may cause headache and dizziness.

Swallowing : Nausea, vomiting.

Skin Contact: Redness, itching.

Contact with Eyes: Slight irritation, redness.

4.3. Signs for urgent medical attention and special treatment required

Treat according to symptoms.

5 FIRE-FIGHTING MEASURES

5.1. fire extinguishers

Those used to extinguish the fire can be used. : Water spray, Carbon dioxide, Dry chemicals, sand and soil for small fires.

Fight the fire in a sheltered place. Wear a protective mask. Use fire extinguishing methods appropriate for the environment. Do not scatter materials around. If there is no risk, move the containers away from the fire area.

Unsuitable fire extinguishers : Pressure water.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, nitrogen oxides. Do not breathe the fumes, gases and vapours. During firefighting, remove all living things from the fire area.

Specific hazards: It should not be mixed unconsciously with other chemicals.

5.3. Advice for firefighting crews

Use protective clothing and equipment (chemical goggles, mask, rubber gloves, boots and apron). Do not allow water flowing from fire extinguishing to mix with sewers or water channels.

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove ignition sources, people and animals from the area. Do not move around the spill area and do not breathe vapors. Contaminated ventilate the area. Avoid contact with skin and eyes. Do not breathe vapors. Protective clothing and equipment (glasses, mask, Wear gloves, boots and apron).

6.2. Environmental Precautions

Clean the contaminated area, do not contaminate water sources and sewers. Prevent its spread with non-flammable absorbers such as sand, soil, sawdust, diatomaceous earth, kaolin or absorbent tape. Use clean, spark-free equipment to collect impregnated materials. Fill the waste into an empty container, identify it and dispose of it in accordance with the Controlled Regulation on Hazardous Wastes.

6.3. Methods and materials for containment and cleaning

Clean the contaminated area with dry soil and similar dry materials. If the product pollutes lakes, rivers and sewers, notify the authorities in accordance with the regulations.

6.4. References to other sections

For personal protection, see section 8.

For additional information on hazards to health, see Section 11.

For waste disposal, see section 13.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

7 HANDLING AND STORAGE

7.1. Precautions for safe handling

It is stated on the label prepared in accordance with the Label Regulation. Read the relevant warnings. Do not puncture, pressurize or weld containers. Do not touch eyes. Wash and air contaminated clothing before reuse. Wash your hands with soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place. Keep away from animals, children and food sources. Store away from fire, moisture and heat sources. Keep away from oxidants, strong acids and bases.

7.3. Specific end uses

Identified uses of this product are detailed in Section 1.2.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

It does not contain any ingredients with occupational exposure limits.

DNEL – Ethanediol

Workers, Long-term exposure local effects, Inhalation: 35 mg/m³

Workers, Long-term exposure systemic effects, Dermal: 106 mg/kg bw/day

General population, Long-term exposure local effects, Inhalation: 7 mg/m³

General population, Long-term exposure systemic effects, Dermal: 53 mg/kg bw/day

8.2. Exposure controls

Personal Protective Equipment:



Technical Measures:

Avoid getting it in the eyes. In case of contact with eyes, rinse thoroughly with clean water. Wash hands with plenty of water and soap after handling. Take a bath at the end of the work day. Keep away from food, drink and animal feed. Do not breathe vapours.

Provide adequate ventilation. Where practical, adequate ventilation can be achieved by local ventilation and general extraction.

Eye Protection:

Antifog (anti-steam) protective glasses should be used. Use goggles and/or a visor with face protection in areas where the risk of splashing is high and where there is a risk of direct contact with vapors.

Hand Protection:

Use gloves. Wash and dry hands after use. For prolonged or repeated use, use nitrile, neoprene or latex rubber gloves. Barrier creams can be applied to the parts of the skin that may be exposed to chemicals, but these creams should not be applied after exposure to chemicals.

Skin Protection:

Wear protective clothing (full protective clothing that is chemical resistant, fire resistant, waterproof and antistatic).

Remove contaminated clothing immediately.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Respiratory Protection:

If established exposure limits are likely to be exceeded, respiratory protection should be used. If there are no applicable exposure guidelines, if you experience effects such as respiratory irritation or discomfort, or if the risk assessment process

Use respiratory protection when necessary. In emergencies, use an approved overpressure respirator. Use the following CE-approved air-purifying respirator: Organic vapors and particles, type AP2.

Health Precautions:

Wash your hands at every shift change and before eating, smoking and before going to the toilet.

If skin becomes contaminated, wash immediately with soap and water.

Do not eat, drink or smoke during use.

Remove all contaminated clothing immediately. Keep contaminated clothing separate and wash before reuse.

Environmental exposure controls

Keep away from animals, food feed and children. Within the framework of the current legislation for the protection of the environment

The provisions must be fully fulfilled.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information about basic physical and chemical properties

physical state	Liquid.
Appearance	FS-Fluid concentrated liquid.
Colour	Red.
Smell	Light Characteristic.
odor threshold	No available information.
PH value	(1%)6-9
Boiling point	No available information.
Melting point	No available information.
flash point	No available information.
Evaporation Rate	No information available.
Flammability (solid, gas)	No available information.
Upper/lower flammability or explosion limits	No information available.
vapor pressure	No available information.
vapor density	No available information.
Relative density	No available information.
Resolution	No available information.
Intensity	No available information.
Partition Coefficient (n-octanol/water)	No available information.
Auto-Ignition Temperature	No available information.
Decomposition temperature	No available information.
Viscosity	420 mPa·S
Explosion properties	No available information.
Oxidizing properties	No available information.
Particle characteristics	Not applicable.

SAFETY DATA SHEET

BALENDIN has

been issued in accordance with the provisions of the "TR Ministry of Environment and Urbanization, KKDİK Regulation, Annex-2"
dated 23 June 2017, numbered 30105.

9.2. Other information

Coating homogeneity 90.8%

10 STABILITY AND REACTIVITY

10.1. Reaction

It is stable under normal temperature conditions and recommended usage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

There is no possibility of hazardous reactions under normal conditions.

10.4. Situations to avoid

Extremely high temperature. Thermal decomposition may occur above 300°C.

10.5. Substances to avoid

Avoid oxidizing agents, strong alkalines and acidic materials to avoid exothermic reactions.

10.6. Harmful decomposition products

At high temperatures; Carbon monoxide, carbon dioxide, nitrogen oxides.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Product ATEmixture, Oral 6640mg/kg

Ethanediol

ATE, Oral 500mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Eye damage/irritation

Based on available data, the classification criteria are not met.

Skin or respiratory sensitization

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity (in vitro – in vivo)

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity (Fertility – Development)

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1. toxicity

Long-lasting, toxic effect in the aquatic environment.

Ecotoxicity- Fludioxonil

LC50 – 0.23 mg/l, 96 hours, Fish (QSAR)

LC50 – 0.40 mg/l, 48 hours, Daphnid (QSAR)

EC50 – 0.21 mg/l, 48 hours, Green algae (QSAR)

12.2. Persistence and degradability

There is no available information on the biodegradability of the product.

12.3. Bioaccumulation potential

There is no available information on the bioaccumulation potential of the product.

12.4. Mobility in soil

There is no available information on the mobility of the product in soil.

12.5. Results of PBT and vPvB assessment

Based on available data, it does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No available information.

13 DISPOSAL INFORMATION

13.1. Waste processing methods

Disposal of waste must comply with applicable regional, national and local laws and regulations.

It should not be disposed of with household waste.

14 TRANSPORTATION INFORMATION

General

This mixture may be classified as hazardous. However, packaging is limited/excepted quantities
Please follow the relevant regulation for such cases.

14.1. UN Number

UN No. (ADR/RID/ADN) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

14.2. UN proper shipping name

Proper shipping name ENVIRONMENTALLY HARMFUL SUBSTANCE, LIQUID, BBB (Difenoconazole, Fludioxonil)

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

14.3. Transport hazard class(es)

ADR/RID/ADN Class	9
ADR/RID classification code	M6
ADR/RID/ADN Class	Class 9: Miscellaneous dangerous substances and objects
ADR Label No.	9
IMDG Class	9
ICAO Class	9

Transportation Labels



14.4. Packaging group

ADR/RID/ADN Packing group III	
IMDG Packing group III	
ICAO Packaging group	III

14.5. Environmental damages

Environmentally harmful substance/Marine pollutant
Yes.

14.6. Special precautions for the user

Limited Quantity	5L
EMS	FA, S.F.
ADR shipping category	3
Emergency action code Hazard	*3Z
Identification No. (ADR)	90

14.7. Public Transport according to MARPOL 73/78 Annex II and IBC Code

Not applicable.

15 REGULATORY INFORMATION

15.1. Specific safety, health and environmental legislation for the substance or mixture

National Legislation

- Republic of Turkey Ministry of Environment and Urbanization, dated 23 June 2017, numbered 30105, Registration, Evaluation, Permit and Registration of Chemicals. Regulation on Restriction (KKDIK).
- TR Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11 December 2013, No. 28848.
- TR Ministry of Agriculture and Rural Affairs, No. 27885, dated 25 March 2011, Classification of Plant Protection Products, Regulation on Packaging and Labeling.
- TR Ministry of Food, Agriculture and Livestock, dated 28 October 2016, numbered 29871, Classification of Plant Protection Products, Regulation Amending the Regulation on Packaging and Labeling.
- Republic of Turkey Ministry of Labor and Social Security, dated 12 August 2013, numbered 28733, Health in Working with Chemical Substances and Regulation on Security Measures.
- Republic of Turkey Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment in Workplaces, dated July 2, 2013, numbered 28695.
- TR Ministry of Labor and Social Security, Occupational Health and Safety Law No. 6331, dated 30 June 2012.
- TR Ministry of Environment and Urbanization, Waste Management Regulation No. 29314, dated April 2, 2015.

SAFETY DATA SHEET

BALENDIN

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Seveso (Regulation on the Prevention of Major Industrial Accidents and Reducing Their Effects)

E1 Lower level:100 tons Upper level: 200 tons

Restrictions (Regulation 30105 KKDyK, ANNEX-17)

There are no known restrictions on the use of this product.

15.2. Chemical safety assessment

There is no Chemical Safety Assessment application for this substance/mixture.

16 OTHER INFORMATION

Abbreviations used in the safety data sheet ADR: European

Agreement Concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement Concerning the International Transport of Dangerous Goods by Intracontinental Waterways.

RID: European Agreement Concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Specification for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

TWA: Time-weighted average ATE:

Estimated acute toxicity value EC No:

European Community number CAS: Chemical
Theory Service.

LD50: Dose of substance that causes 50% (half) death in the test animal group (Median Lethal Dose).

LC50: The concentration of the substance that causes 50% (half) death in the test animal group.

EC₅₀: Effective Concentration of the substance causing 50% maximal response.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent, Very Bioaccumulative.

SEA: Classification, labeling, packaging regulation DNEL: Derived No

Effect Level PNEC: Estimated No Effect Concentration

Statement about the revision

It was edited for the first time.

Information Sources

This SDS has been prepared based on the information received from the product owner company.

ECHA – www.echa.europa.eu

Justification for classification

Aquatic Acute 1- H400 : Calculation method

Aquatic Chronic 1- H410 : Calculation method

All Hazard Statements

H302 It is harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 It is very toxic in the aquatic environment.

H410 Long lasting, very toxic effect in the aquatic environment.

SAFETY DATA SHEET **BALENDIN**

According to the provisions of the "TR Ministry of Environment and Urbanization, KKDIK Regulation, Annex-2" dated 23 June 2017, numbered 30105 arranged appropriately.

Edited by

Büyra Tarakçy / CRAD - Chemical Evaluation Expert
Certificate No.: KDU-A-0-0056 Document Date: 25.10.2019 Validity Date: 25.10.2024
gbf@crad.com.tr Tel.:+90 216 3354600

Editor's Note

This SDS has been prepared based on the information and documents received from the product owner company. This information and documents are missing or incorrect. Due to this, the SDS preparer and/or CRAD cannot be held responsible for the incorrect preparation of the SDS prepared and the material damages and moral negativities that the product owner company may encounter due to this.

Certificate information is used exclusively for this SDS. No changes can be made to this SDS or certificate information cannot be used for another SDS without the knowledge and approval of the certificate holder. Otherwise, the certificate owner will not accept any liability regarding the SDS.

WITH RESERVATION

This information relates only to the specific substance and should not be used in a combination or in any process where the same substance is used with other substances. The information provided in this document is accurate and reliable as of the date specified, to the best of the company's knowledge and opinion. It is the user's responsibility to satisfy himself as to the suitability of this information for his own use.