

SAFETY DATA SHEET

According to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)



ETHYLENE ABSORBER / ETHYSAFE

Issue date: 02/21/2024
Version: 1.0

SDS number: ZD:SDS:2024964

Section 1: Identification

1.1 Product identifier used on the label

Product form: Mixture
Product Name: ETHYLENE ABSORBER / ETHYSAFE

1.2 Recommended use of the chemical and restrictions on use:

Use of the substance/mixture: It is used to absorb ethylene gas, keep the product fresh and prevent it from spoiling in fruit and vegetable transportation.

1.3 Information of the Supplier of Safety Data Sheet

Manufacturer: TERA UHT NEM ALICILAR IC VE DIS TIC. LTD.STI.
Address: SARAY ORGANIZE SANAYİ BOLGESİ KERESTECİLER SANAYİ SİTESİ 10. CADDE NO:21
KAHRAMANKAZAN / ANKARA
Phone: +90 312 312 33 54
Web: <https://teranemalici.com/>
Mail: satis@teranemalici.com

1.4 Information on security:

Phone: +90 312 312 33 54

1.5 Emergency phone number

For Chemical Emergency Call CHEMTREC 24hr/day 7days/week Within USA and Canada: +1-800-424-9300 Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

Emergency response center: 911
Fire department: 800-238-3358

Section 2: Hazard(s) Identification

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2.1. Classification of the substance or mixture

Physical Effect: There is no physical danger.

Potential Acute Effect on Health: Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335, Repr. 2 H361d

Effects on environment: Aquatic Chronic 2 H411

2.2. GHS Label elements, including precautionary statements

GHS US classification

Signal pictograms:



Signal word: Danger

Hazard statements:

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H361d – Suspected of damaging the unborn child.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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P405 Store locked up.

P501 Dispose of contents/container to local regulation.

2.3 Additional information

This substance does not qualify as PBT or vPvB.

Section 3: Composition/ Information on Ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	EC	CAS	Concentration (%)	GHS Classification
Zeolit 3a	215-283-8	1318-02-01	50	Not Classified
Calcium oxide	215-138-9	1305-78-8	30-45	Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335
potassium permanganate	231-760-3	7722-64-7	5-9	Ox. Sol. 2 H272 Acute Tox. 4 * H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Repr. 2 H361d

Full text of hazard classes and H-statements: see section 16

Section 4: First-Aid Measures

4.1 Description of first aid measures

First-aid measures general: Call a physician immediately.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

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First-aid measures after skin contact: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : If any irritation occurs, call a physician immediately.

First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after eye contact: Causes serious eye damage.

Symptoms/effects after ingestion: No effect available.

4.3 Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous combustion products: Carbon oxides (CO, CO₂)

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

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General measures: Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. May be dangerously slippery if spilled.

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid mixing with sewers/surface water/ground water. In case of mixing into waters or sewers, notify the competent authorities. If there is no safety hazard, prevent further leakage or spillage.

6.3. Methods and material for containment and cleaning up

Absorb the spilled product with sand, earth or other absorbent material and place it in a suitable container for waste. Clean the spill area with plenty of water.

6.4. Reference to other sections

For further information refer to section 13.

Section 7: Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust and vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

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Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

7.3. Specific End Use(s)

The defined uses of this product are detailed in Section 1.2.

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits

No data available.

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment

8.3. Individual protection measures/Personal protective equipment

Hand protection: Protective gloves. EN 374

Eye protection: Safety glasses. EN 166

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: granule

Odor: Odorless

Color: purple

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Odor Threshold: No data available

pH value: 7-9

Melting Point: No data available

Initial Boiling Point: No data available

Freezing point: No data available

Flash Point: No data available

Melting Point: No data available

Evaporation Rate: No data available

Flammability (Solid, Gas): No data available

Upper / Lower Explosion Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Refractometric value: No data available

Density: 850-900 kg/m³

Solubility: Insoluble in water

Partition Coefficient: No data available.

Flammability Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Flammability Feature: No data available

Explosion Properties: No data available

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity: No data available.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity: Suspected of damaging the unborn child.

STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

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12.1. Toxicity

Ecotoxicity: The product is not classified as harmful to the environment.

12.2. Persistence and degradability

There are no short-term hazardous decomposition products. The product itself and its decomposition products are non-toxic.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description: Not classified as a dangerous good.

UN-No.(DOT): Not classified as a dangerous good.

Proper Shipping Name (DOT): Not classified as a dangerous good.

Class (DOT): Not classified as a dangerous good.

Packing group (DOT) : Not classified as a dangerous good.

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Hazard labels (DOT): Not classified as a dangerous good.

Transport by sea

Transport document description (IMDG): Not classified as a dangerous good.

UN-No. (IMDG): Not classified as a dangerous good.

Proper Shipping Name (IMDG): Not classified as a dangerous good.

Class (IMDG): Not classified as a dangerous good.

Packing group (IMDG): Not classified as a dangerous good.

Air transport

Transport document description (IATA): Not classified as a dangerous good.

UN-No. (IATA): Not classified as a dangerous good.

Proper Shipping Name (IATA): Not classified as a dangerous good.

Class (IATA): Not classified as a dangerous good.

Packing group (IATA): Not classified as a dangerous good.

SECTION 15: Regulatory information

15.1 International Regulations

EU: EU CLP stands for the Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of Substances and Mixtures

EU: COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

TUR: BY-LAW ON REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (Official Gazette No: 23.06.2017- 30105)

Classification of substances and mixtures, Packaging and Labelling Regulations - (11 December 2013 and 28848 Rep. No.)

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road (R.G.24/10/2013-28801)

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SECTION 16: Other information

16.1. Revision date

Revision date: -
Changes: first preparation

16.2. Shortcuts

SDS: Safety Data Sheet
CAS: Service registration number of chemicals
EINECS: European Inventory of Chemical Substances
SEA: Regulation on Classification, Labeling and Packaging of Substances and Mixtures published in RG.-11/12 / 2013-28848
CLP: EU Directive 1272/2008 <Classification, Labeling and Packaging of Substances and Mixtures>
TWA: Measured or calculated time-weighted average for a specified reference time of 8 hours
STEL: The maximum exposure value that must not be exceeded for a period of 15 minutes unless otherwise specified.
Mg / m³: at 20 ° C and 101.3 KPa. (760 mm mercury pressure) The amount of material in milligrams of 1 m³ of air at pressure
ppm: the amount of material contained in 1 m³ of air in milliliters (ml / m³)
NIOSH: The National Institute for Occupational Safety and Health CEN: Normalization at the European Commission
NTP: (National Toxicology Program) National Toxicology Program
IARC: The International Agency for Research on Cancer
OSHA: (Occupational Safety and Health Association)
EWC: (European Waste Catalog) European Union Waste Catalog
ADR: Transport of Dangerous Goods
RID: Transport of dangerous goods by rail
ADNR: Regulation on the Carriage of Dangerous Goods in Rivers
IMDG: Regulation on training and authorization within the scope of international code on dangerous cargoes transported by sea
ICAO: International Civil Aviation Organization
IATA: International Air Transport

16.3 Reference and Sources

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- The key information sources used in the editing of this safety data sheet are as follows
- Data sheets for raw materials and product components
- Regulations and annexes on the preparation and distribution of safety data sheets for dangerous goods and preparations
- UN ADR, IMDG, IATA LISTS
- ECHA (European Chemicals Agency). Supplier's safety documents

16.4 Method / procedure used for classification and classification of mixtures:

Skin Irrit. 2 H315- Calculation method
Eye Dam. 1 H318- Calculation method
STOT SE 3 H335- Calculation method
Repr. 2 H361d- Calculation method
Aquatic Chronic 2- Calculation method

16.5 Full text of H-Statements based on sections 2 and 3

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H272: May intensify fire; oxidiser.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H361d: Suspected of damaging the unborn child.

16.6. Other informations

This document has been issued by the person (s) certified in accordance with the regulations by making use of the safety data sheets provided by the manufacturer.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the

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product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Preparer

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Document No: TÜV / / 11.14.02 - Chemical Assessment Expert

Certificate validity date: 25.04.2024

Other informations

Use and application information is given in the technical leaflets of the products. The details are based on the information we have today and do not represent any assurance on product quality, nor can **ETHYLENE ABSORBER / ETHYSAFE** was prepared on behalf of **TERA UHT NEM ALICILAR IC VE DIS TIC. LTD.STI.**