

SAFETY DATA SHEET

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

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

1.1 Product identifier

Product name: EdenNet

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

Common Uses: Agro-technical.

1.3 Details of the supplier of the safety data sheet

Eden Shield Ltd.
High Tech Village , Givat Ram, Hebrew University,
P.O.B. 39266, Jerusalem 9139102, Israel
Phone: 972-2-5814476

E-mail address of person responsible for this SDS: info@eden-shield.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation): 972-2-5814476

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):
Not classified

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not classified

Precautionary Statement(s): Not required

2.3 Other hazard

Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Water	CAS number: 7732-18-5 EC number: 231-791-2	70-100	Not available
Propylene glycol	CAS number: 57-55-6 EC number: 200-338-0	40-70	Not available
Achillea fragrantissima extract	CAS number: N/A EC number: N/A	10-15	Not available
Sorbitan monooleate, ethoxylated	CAS number: 9005-65-6 EC number: 500-019-9	1-10	Not available
Ethanol	CAS number: 64-17-5 EC number: 200-578-6	1-2	Flam. Liq. 2 H225

See section 16 for the full text of the H-statements declared above.

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.
- Skin contact:** Not expected to cause damage. Get medical attention, if necessary.
- Inhalation:** Not expected to cause damage. If necessary, take the casualty to a well ventilated place and get medical attention.
- Ingestion:** **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable: Foam, carbon dioxide, dry powder, water fog or fine spray. Alcohol-resistant foams are preferred.

Not suitable: Direct water stream.

5.2 Special hazards arising from the substance or mixture

Slightly flammable or flammable in the presence of heat. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Hazardous combustion products: acrid smoke, carbon oxides, irritating and toxic fumes. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors or mist. Ensure adequate ventilation. Ventilate area of spill.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

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6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Wash spill area with plenty of water.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid ingestion and contact with eyes. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep away from direct sunlight and source of heat. Keep away from sources of ignition. Store in a tightly closed container in a dry, cool and well-ventilated area. Do not store together with oxidizing agents. Protect from atmospheric moisture. Do not store above 25°C.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Substance name	Occupational exposure limits
Ethanol	ACGIH-TLV 1000 ppm (STEL)

8.2 Exposure controls

Engineering measures

Use personal breathing apparatus whenever deemed necessary.

Person protective measures - For pure undiluted material

Respiratory protection: Use suitable respirator, if necessary.

Hand protection: Wear protective gloves to prevent skin exposure, if necessary.

Eye protection: Wear protective safety glasses, if necessary.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact, if necessary.

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Dark brown to green liquid

Odour: Typical herbal odour. Spicy.

Odour threshold: Not applicable

pH: 4.5±0.5

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

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Flash point: N/A
 Evaporation rate: N/A
 Flammability: N/A
 Upper/lower flammability or explosive limits: N/A
 Vapor pressure: N/A
 Vapor density: N/A
 Relative density: 1.05±0.01 g/cm³
 Solubility(ies): Dispersible in water
 Partition coefficient Octanol/Water: N/A
 Auto-ignition temperature: Not applicable
 Decomposition temperature: N/A
 Viscosity: 74 ± 0.5 cPs
 Explosive properties: Not classified as explosive
 Oxidizing properties: None

9.2 Other information

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use. Hazardous polymerization will not occur.

10.4 Conditions to avoid

Excess heat, exposure to moist air or water, direct sunlight or ultraviolet sources.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Other decomposition products: not available
 In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
Ethanol	LD50, Oral	Rat	7060 mg/kg
	LC50, Inhalation	Rat	124700 mg/m ³ /4H
Propylene glycol	LD50, Oral	Mouse	22000 mg/kg
	LD50, Administration onto the skin	Rabbit	20800 mg/kg
Sorbitan monooleate, ethoxylated	LD50, Oral	Rat	34.5 ml/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

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Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

SECTION 12: Ecological information

12.1 Toxicity

Not available

12.2 Persistence and Degradability

Not available

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

14.2 Proper shipping name

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

SAFETY DATA SHEET**14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazard

Marine Pollutant: N/A

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:
EU Regulation (EC) No.1907/2006 (REACH) including amendments
Regulation (EC) No.1272/2008 (CLP)

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

Not available

15.2 Chemical safety assessment

Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in sections 2 and 3:

Flam. Liq.- Flammable liquid

H225: Highly flammable liquid and vapour.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:

CAS - Chemical Abstract Service

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NTP - National Toxicology program

IARC - International Agency for Research on Cancer

N/A - Not available

H - statements- Hazard statements

TLV - Threshold Limit Value

TWA - Time-weighted average

STEL - Short-Term Exposure Limit

CSA - Chemical safety assessment



SAFETY DATA SHEET

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