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Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2015/830.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Planty
Trade Name: Planty
Synonyms: No data available
CAS Number: Not applicable
EC Number: Not applicable
REACH No: Not applicable

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

Add recommended dosage of this fertilizer to a water container before use.
Do not eat, drink or use to any means other than those specified on the package of this product.

1.3 Details of the supplier of the safety data sheet

Company Name: Zalmanson Deshanim
Company Address:
 11 Sharet st.
 Hod hasharon.
 Israel

Company Tel: 972-52-5212488
Contact Name: Dor Zalmanson

E-mail address of person responsible for this SDS: dorzalmanson@gmail.com

1.4 Emergency telephone number


Emergency telephone number (including hours of operation): 972-52-5212488

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Product name	GHS Classification
Planty	Not classified as hazardous

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2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms: NONE REQUIRED

Signal word: Not applicable

Hazard statements: Not applicable.

Precautionary Statements: None required

Supplemental Hazard Statements. None known.

2.3 Other hazards


This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance : Not applicable

3.2 Mixtures:

Product/ Ingredient name	Identifiers	%	GHS Classification	M Factor	SCL
Iron EDTA	CAS No 17099-81-9 EC No 241-171-3	1-10%	Not classified as hazardous	n/a	n/a
Manganese EDTA	CAS No 15375-84-5 EC No 239-407-5	1-10%	Not classified as hazardous	n/a	n/a
Copper EDTA	CAS No 14025-15-1 EC No 237-864-5	> 0.1%	Acute Tox. 4, Oral H302	n/a	n/a
Molybdenum EDTA	CAS No n/a EC No n/a	< 0.1%	Not classified as hazardous	n/a	n/a

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers.

Skin contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Inhalation: In case of inhalation, remove victim to fresh air. If breathing becomes difficult, call physician.

Ingestion: In case of swallowing, wash out mouth with water provided person is conscious.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.


Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

For emergency responders: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Evacuate any non-emergency personnel away from the area.

6.2 Environmental precautions

None known.

6.3 Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

6.4 Reference to other sections

N/A

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Refer to section 8.

7.2 Conditions for safe storage, including any incompatibilities

No data available.

7.3 Specific end use(s):


There are no other uses other than those specified in section 1.2.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:

Ingredient name	CAS Number	Source	Occupational exposure limits
Iron EDTA	17099-81-9	Short-term value (15 min): None available Long-term value (8 hr): as Fe – 1 mg/m ³	EH40 Workplace Exposure Limits
Manganese EDTA	15375-84-5	Short-term value (15 min): None available Long-term value (8 hr): as Mn – 0.5 mg/m ³	EH40 Workplace Exposure Limits
Copper EDTA	14025-15-1	Short-term value (15 min): None available Long-term value (8 hr): fume – 0.2 mg/m ³ dusts and mists (as Cu) – 1 mg/m ³	EH40 Workplace Exposure Limits

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Molybdenum EDTA	n/a	Short-term value (15 min): None available Long-term value (8 hr): As Mo Soluble compounds – 5 mg/m ³ Insoluble compounds – 10 mg/m ³	EH40 Workplace Exposure Limits
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8.2 Exposure controls

Appropriate Engineering Measures

Mechanical exhaust required.

Individual protection measures, such as personal protective equipment:


- Eye and face protection: Safety goggles.
- Skin protection: Other protective clothing.
- Hand protection: Chemical-resistant gloves.
- Other skin protection: None known.
- Respiratory protection: Wear appropriate NIOSH/MSHA-approved respirator.
- Thermal hazards: None known.

Environmental exposure controls: None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Colour: Brownish red
- Odour: No data available
- Odour threshold: No data available
- pH: 6-8
- Melting point/Freezing point: Freezing point < 0°C
- Initial boiling point/boiling range: No data available
- Flash point: Not applicable
- Evaporation rate: No data available
- Flammability (solid, gas): Not applicable.
- Upper/lower flammability or explosive limits: Not applicable
- Vapour pressure: No data available
- Vapour density (air=1): No data available
- Relative Density: 1.11 – 1.12
- Solubility(ies): Completely soluble in water
- Partition coefficient Octanol/Water: No data available

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Auto-ignition temperature: Not applicable
 Decomposition temperature: No data available
 Viscosity: No data available
 Explosive properties: No data available
 Oxidising properties: No data available

9.2 Other information:

None known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This product is not expected to be reactive under normal handling and storage conditions.

10.2 Chemical stability

Product is stable if stored as per the conditions specified under storage of section no. 7.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat and direct light.

10.5 Incompatible materials

None known

10.6 Hazardous Decomposition products:


None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Product/ingredient name	Test	Species	Dose
Iron EDTA	LD ₅₀ Oral	Rat	> 1000 mg/kg
	LD ₅₀ Dermal	Rat	No data available
	LC ₅₀ , Inhalation	Rat	No data available
Manganese EDTA	LD ₅₀ Oral	Rat	No data available
	LD ₅₀ Dermal	Rat	No data available
	LC ₅₀ , Inhalation	Rat	No data available
Copper EDTA	LD ₅₀ Oral	Rat	> 1740 mg/kg

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	LD ₅₀ Dermal	Rat	No data available
	LC ₅₀ , Inhalation	Rat	No data available
Molybdenum EDTA	LD ₅₀ Oral	Rat	No data available
	LD ₅₀ Dermal	Rat	No data available
	LC ₅₀ , Inhalation	Rat	No data available

- Skin corrosion/irritation:** May cause skin irritation.
- Serious eye damage/eye irritation:** Not expected to cause eye damage/irritation.
- Respiratory or skin sensitization:** Not expected to cause respiratory or skin sensitization.
- Germ cell mutagenicity:** Not expected to cause reproductive cell mutagenicity.
- Carcinogenicity:** Not expected to be carcinogenic.
- Reproductive toxicity:** Not expected to cause reproductive toxicity.
- STOT - Single exposure:** Not expected to cause specific target organ toxicity after a single exposure.
- STOT - Repeat exposure:** Not expected to cause specific target organ toxicity after repeated exposure.
- Aspiration hazard:** Not expected to cause an aspiration hazard.
- Other information:**
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Substance name	Toxicity to fish / other aquatic invertebrates
Iron EDTA	No data available
Manganese EDTA	No data available
Copper EDTA	Fish - 96h-LC50: > 100 mg/l Daphnia - 24h-EC50: >500 mg/l

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Molybdenum EDTA	No data available
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12.2 Persistence and Degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

No data available

12.7 Additional information:

N/A

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Hazardous waste: No

Product

On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed of by autoclaving and/or by incineration. Dispose of waste in accordance with all applicable Federal, State and local laws.

Contaminated packaging

Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

SECTION 14: TRANSPORT INFORMATION

International transport regulations

14.1 UN number:

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.2 Proper shipping name:

ADR/RID: Not applicable

IMDG: Not applicable


IATA: Not applicable

14.3 Transport hazard class(es)

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

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14.4 Packing group

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.5 Environmental hazard

Marine Pollutant: No

14.6 Special precautions for user

None known

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

No

Section 15: REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2015/830 (Reach)

EU Regulation (EC) No 1272/2008 (CLP)

15.2 Chemical safety assessment

No data available

Section 16: OTHER INFORMATION

Full list of H&P-Statements for sections 2 and 3.

Acute Tox. Acute Toxicity

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

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 EC50: Half maximal effective concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

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