

SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 1 of 1

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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: HD-3 FORTE POWDER – FOLIAGE CLEANER

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

Common uses: Industrial.

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):

Resp. Sens. 1 H334

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s):

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statement(s):

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

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

P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

2.3 Other hazard

Not available

SAFETY DATA SHEET

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Rosemary	CAS number: 84604-14-8 EC number: 283-291-9	1-10	Not available
Ficin	CAS number: 9001-33-6 EC number: 232-599-1	1-3	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Resp. Sens. 1 H334
Sesame oil	CAS number: 8008-74-0 EC number: 232-370-6	1-10	Not available
Peppermint oil	CAS number: 8006-90-4 EC number: 616-900-7	1-10	Not available
Thyme oil	CAS number: 8007-46-3 EC number: 616-910-1	1-10	Not available
Cinnamon oil	CAS number: 8015-91-6 EC number: 616-967-2	1-10	Not available
Beeswax	CAS number: 8012-89-3 EC number: 232-383-7	1-10	Not available
Palm oil	CAS number: 8002-75-3 EC number: 232-316-1	1-10	Not available
Capsicum annum annum, longum group, cayenne, ext.	CAS number: 8023-77-6 EC number: 283-256-8	1-10	Not available
Kaolin	CAS number: 1332-58-7 EC number: 310-194-1	1-10	Not available
Mica-group minerals	CAS number: N/A EC number: N/A	1-10	Not available
Talc	CAS number: 14807-96-6 EC number: 238-877-9	1-10	Not available
Pectin	CAS number: 9000-69-5 EC number: 232-553-0	1-10	Not available
Cottonseed oil (Fatty acid)	CAS number: 8001-29-4 EC number: 232-280-7	1-10	Not available
Herbal cellulose (Nutritional Fibre)	CAS number: 9004-34-6 EC number: 232-674-9	1-10	Not available
Carrageenan (Edible seaweed)	CAS number: 9000-07-1 EC number: 232-524-2	1-10	Not available
Black pepper oil	CAS number: 8006-82-4 EC number: 616-894-6	1-10	Not available
Clove oil	CAS number: 8000-34-8 EC number: 616-772-2	1-10	Not available
Magnesium sulfate	CAS number: 7487-88-9 EC number: 231-298-2	1-10	Not available
Potassium carbonate	CAS number: 584-08-7 EC number: 209-529-3	1-5	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335
Guar gum	CAS number: 9000-30-0 EC number: 232-536-8	1-10	Not available
Zeolites	CAS number: 1318-02-1 EC number: 215-283-8	1-10	Not available
Paraffin wax	CAS number: 8002-74-2 EC number: 232-315-6	1-10	Not available

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

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.



SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 3 of 3

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: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. 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 or dry chemical extinguishers.

Not suitable: N/A

5.2 Special hazards arising from the substance or mixture

Under fire conditions may emit toxic and irritating fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Ventilate area of spill.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SAFETY DATA SHEET

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of dust. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking.

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 contaminated clothing and 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 container tightly closed in a dry, cool and well-ventilated place. Store in original container.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Substance name	Occupational exposure limits
Kaolin	ACGIH-TLV 2 mg/m ³ (TWA) (resp)
Herbal cellulose (Nutritional fibre)	ACGIH-TLV 10 mg/m ³ (TWA)
Paraffin wax	ACGIH-TLV 2 mg/m ³ (TWA) (fume)
Talc	ACGIH-TLV 2 mg/m ³ (TWA) (resp particulate)

8.2 Exposure controls

Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure. It is recommended to wear natural rubber gloves.

Eye protection: Wear protective safety glasses.

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

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: gray, pale powder

Odour: faint minty scent

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: 62.7°C

Evaporation rate: N/A

SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 5 of 5

Flammability: N/A
 Upper/lower flammability or explosive limits: N/A
 Vapor pressure: N/A
 Vapor density: N/A
 Relative density: (water=1): 1.105 g/ml
 Solubility(ies): N/A
 Partition coefficient Octanol/Water: N/A
 Auto-ignition temperature: N/A
 Decomposition temperature: N/A
 Viscosity: N/A
 Explosive properties: N/A
 Oxidizing properties: N/A

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.

10.4 Conditions to avoid

Not available

10.5 Incompatible materials

Not available

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
Rosemary	LD50, Oral	Rat	5000 mg/kg
	LD50, Administration onto the skin	Rabbit	>10000 mg/kg
Sesame oil	LD50, Administration onto the skin	Rabbit	>2000 mg/kg
Peppermint oil	LD50, Oral	Rat	2426 mg/kg
Thyme oil	LD50, Oral	Rat	2840 mg/kg
	LD50, Administration onto the skin	Rabbit	>5000 mg/kg
Cinnamon oil	LD50, Oral	Rat	2650 mg/kg
	LD50, Administration onto the skin	Rabbit	>5000 mg/kg
Cottonseed oil (Fatty acid)	LD50, Oral	Rat	>90 ml/kg



SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 6 of 6

Product/substance name	Test	Species	Dose
Herbal cellulose (Nutritional fibre)	LD50, Oral	Rat	>5000 mg/kg
	LD50, Administration onto the skin	Rabbit	>2000 mg/kg
	LC50, Inhalation	Rat	>5800 mg/m ³ /4H
Potassium carbonate	LD50, Oral	Rat	1870 mg/kg
Guar gum	LD50, Oral	Rat	6770 mg/kg
Paraffin wax	LD50, Administration onto the skin	Rabbit	>4000 mg/kg
Ficin	LD50, Oral	Rat	10000 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Other symptoms: Prolonged contact with the skin may cause irritation. Contact with the eyes may cause eye irritation. Inhalation of the vapor may cause irritation of nasal passages and/or dizziness. Ingestion of this product could result in irritation of the gastrointestinal tract.

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



SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 7 of 7

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: -

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:

Skin Irrit. - Skin irritation

Eye Irrit. - Eye irritation

STOT SE - Specific target organ toxicity — single exposure

Resp. Sens. - Respiratory sensitization

H315: Causes skin irritation.

H319: Causes serious eye irritation.



SAFETY DATA SHEET

HD-3 FORTE POWDER – FOLIAGE CLEANER

Page 8 of 8

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

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

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