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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: Bastilla 150 SL

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

CTS Ltd. - AGRICA
4 Haharash Street,
Hod Hasharon 45240, Israel
P.O. Box 10 Tel-Aviv, Israel
Phone: +972-9-7626257
Fax: +972-9-7626327

E-mail address of person responsible for this SDS: erezbn@cts.co.il**1.4 Emergency telephone number**

Emergency telephone number (with hours of operation): +972-9-7626333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

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

STOT RE 2 H373

Repr. 1B H360Fd

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

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s):

H360Fd: May damage fertility. Suspected of damaging the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313: IF exposed or concerned: Get medical advice/attention.

2.3 Other hazard

Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Alcohol C12-C14 ethoxylated, sulfate, sodium salts	CAS number: 68585-34-2 EC number: N/A	10-40	Skin Irrit. 2 H315 Eye Irrit. 2 H319
Glufosinate ammonium	CAS number: 77182-82-2 EC number: 278-636-5	5-15	Acute Tox. 4 H302, H312, H332 STOT RE 2 H373 Repr. 1B H360Fd
1-Methoxy-2-propanol	CAS number: 107-98-2 EC number: 203-539-1	1-10	Flam. Liq. 3 H226 STOT SE 3 H336

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.

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, dry powder or water spray.

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 vapors, mist or gas. 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

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.

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 contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition.

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. Protect from heat and direct sunlight. Keep away from strong oxidizing agents, acids and bases.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limit values:

Substance name	Occupational exposure limits
1-Methoxy-2-propanol	EU-OELs 100 ppm (LTEL), 150 ppm (STEL)

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.

Personal 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.

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: Liquid
 Odour: N/A
 Odour threshold: N/A
 pH: 5-7
 Melting point/Freezing point: N/A
 Initial boiling point/boiling range: N/A
 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: 1070 g/L
 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

Extreme heat. Direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, acids and bases. Ammonia may be evolved in presence of alkalis.

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
YA0118 150 SL	LD50, Oral	Rat	5000 mg/kg
	LD50, Administration onto the skin	Rat	>2000 mg/kg
	LC50, Inhalation	Rat	>4.56 mg/l/4H

Skin corrosion/irritation: Non-irritant (OECD Guidelines for Testing of Chemicals, Section 4, No. 404).

Serious eye damage/irritation: Non-irritant. (OECD Guidelines for Testing of Chemicals, Section 4, No. 405).

Respiratory or skin sensitization: Not sensitizing to skin (OECD Guidelines for Testing of Chemicals, Section 4, No. 442).

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: May damage fertility. Suspected of damaging the unborn child.

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not available

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
Glufosinate ammonium	LD50 - Scenedesmus subspicatus > 1000 mg/L LD50 - Scenedesmus capricornutum 37 mg/L	LC50/96h - Rainbow trout - 710 mg/L LC50/96h - Bluegill sunfish - >1000 mg/L	EC50/48h - Daphnia magna - 560-1000 mg/L

12.2 Persistence and Degradability

Glufosinate ammonium rapidly degraded in surface levels of soils and in water.

12.3 Bioaccumulative potential

Because of polarity, glufosinate ammonium and its metabolites do not bioaccumulate.

12.4 Mobility in soil

The potential for groundwater contamination with glufosinate ammonium is minimal.

12.5 Results of PBT and vPvB assessment

Not available

12.6 Endocrine disrupting properties

Not available

12.7 Other adverse effects

Glufosinate ammonium is practically non toxic to birds, fish, honeybees, earthworm and beneficial insects. It is practically non-toxic to Daphnia, but moderately toxic to sensitive aquatic species. It is expected to be slightly to moderately toxic to wild animals.

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:**

Eye Irrit. - Eye irritation

Flam. Liq. - Flammable liquid

Skin Irrit. - Skin irritation

Acute Tox. - Acute toxicity

STOT SE - Specific target organ toxicity — single exposure

STOT RE - Specific target organ toxicity — repeated exposure

Repr. - Reproductive toxicity

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H360Fd: May damage fertility. Suspected of damaging the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.
H319: Causes serious eye irritation.
H315: Causes skin irritation.

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

Key Legend Information:

CAS - Chemical Abstract Service
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
OEL - Occupational exposure limit
LTEL - Short-term Exposure Limit
STEL - Long-term Exposure Limit

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