

LossQuito

Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identity	LossQuito Suspension Concentrate (SC)
1.2. Recommended use	Biological larvicide
1.3. Uses advised against	Any none-recommended use.
1.4. Manufacturer	BioDalia Microbiological Technologies Ltd., www.biodalia.com 5 Carmel St., New Industrial Park, Yokneam 2066729, Israel Telephone: +972 49090904 Telefax: +972 49594077 E-mail: info@biodalia.com
1.5. Emergency Phone	Phone: +972 49090904 Israel Poison Information Center 04-777-1900

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the product in accordance to Regulation (EC) No 1272/2008 [CLP]	Skin sensitization category 1, subcategory 1B Acute inhalation toxicity, category 4
2.2 Label elements	Signal word: WARNING
Hazard pictograms (CLP)	



Hazard statements:	H315 Causes skin irritation
	H317 May cause an allergic skin reaction
	H320 Causes eye irritation
	H333 May be harmful if inhaled
Precautionary statements:	P101 If medical advice is needed, have product container or label at hand
	P102 Keep out of reach of children
	P103 Read label before use.
	P234 Keep only in original container/packaging
	P260 Do not breathe mist, spray, vapors
	P262 Do not get in eyes, on skin, or on clothing
	P264 Wash hands and face thoroughly after handling
	P270 Do not eat, drink or smoke when using this product
	P273 Avoid release to the environment
	P281 Use personal protective equipment as required
	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
	P302+P352 IF ON SKIN: Wash with soap and water
	P304+P312 IF INHALED: Call a POISON CENTER or

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P305+P351+P338	doctor/physician if you feel unwell IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention.
P312	Call a POISON CENTER or doctor if you feel unwell
P404	Store in a closed container
P410	Protect from sunlight
P411	Store at temperatures not exceeding 28°C/82°F
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

2.4. Unknown acute toxicity (GHS US)

2.5. Additional information

None

Not applicable

6 tests were executed:

1. Acute dermal irritation (OECD 404)
2. Acute eye irritation (OECD 405)
3. Acute inhalation toxicity (OECD 403)
4. Skin sensitization (LLNA) (OECD 429)
5. Acute oral toxicity (OECD 423)
6. Acute dermal toxicity (OECD 402)

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Component	CAS Reg. № EC-№	Concentration (w:w, %)
<i>Bacillus thuringiensis</i> , subsp. <i>Israelensis</i> , serotype H-14, spores ,insecticidal toxins and fermentation solids	68038-71-1 614-245-1 <i>Active ingredient</i>	8.1 – 8.2
Inerts	--	0.68 – 0.69
Water	7732-18-5 231-791-2	<i>quantum sufficit</i> 100%

The exact concentration and/or specific chemical identity are being withheld as a trade secret (Confidential Business Info (CBI)).

This mixture does not contain substances of very high concern (SVHC) included in the Candidate List according to Article 59 of REACH or are subject to authorization according to Annex XIV of REACH

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Section 4: FIRST AID MEASURES

- 4.1. First-aid measures general** In all cases of doubt, or when symptoms persist, seek for medical advice.
 Check the vital functions.
 Unconscious: maintain adequate airway and respiration.
 Respiratory arrest: artificial respiration or oxygen.
 Cardiac arrest: perform resuscitation.
 Victim conscious with labored breathing: half-seated.
 Victim in shock: on his back with legs slightly raised.
 Vomiting: prevent asphyxia/aspiration pneumonia.
 Prevent cooling by covering the victim (no warming up). Keep watching the victim.
 Keep the victim calm, avoid physical strain.
- IF INHALED:** Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
- IF ON SKIN:** Wash with lots of water. Soap may be used. Remove clothing before washing. If skin irritation persists, call physician.
- IF IN EYES:** Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- IF INGESTED:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Immediately consult a doctor/medical service. Take the container/vomit to the doctor/hospital.
- 4.2. Most important symptoms and effects (acute and delayed)** Causes eyes and skin irritation
 May cause sensitization by skin contact
 May cause an allergic skin reaction
- 4.3. Indication of any immediate medical attention and special treatment needed** Give supportive therapy.
 Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

- 5.1. Suitable and unsuitable extinguishing media** Suitable extinguishing media:
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Unsuitable extinguishing media: No information available.
- 5.2. Specific hazards arising from the product** No information available.
Explosion data
 Sensitivity to mechanical impact: No information available.
 Sensitivity to static discharge: No information available
- 5.3. Advices for firefighters**
- Wear full-face, self-contained breathing apparatus and impervious protective clothing.

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5.4. Special protective equipment and precautions for fire-fighters

- Avoid inhaling combustion products.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required.
 Keep people away from and upwind of spill/leak.
 Evacuate personnel to safe areas.
 Avoid contact with skin and eyes.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.
 Prevent product from entering drains.
 Do not flush into surface water or sanitary sewer system.
 Avoid release to the environment.
 See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.
 Cover powder spill with plastic sheet or tarp to minimize spreading.
 Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

6.4. Reference to other sections

See Heading 8: Exposure controls & personal protection.

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin, eyes or clothing.
 Use personal protective equipment as required.
 Wash contaminated clothing before reuse.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Do not eat, drink or smoke when using this product.
 Use with local exhaust ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials
 Incompatible conditions:

Alkalinity above 8 and acidity below 3.5 inactivate the product.
 Direct sunlight.
 Heat sources.

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Storage conditions: Keep in original container.
 Keep container tightly closed in a dry and well-ventilated place.
 Keep out of the reach of children.
 Keep in properly labeled containers.
 Store at room temperature, and not above 28°C/82°F .
 Protect from frost.
 Keep away from food, drink and animal feeding stuffs.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

8.2. Appropriate engineering controls Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment **Repeated exposure to high concentrations of microbial proteins can cause allergic reactions.**
Hand protection
 Protective gloves against chemicals (EN 374)
Eye protection
 Safety glasses with side guards.
Skin and body protection
 Protective clothing
Respiratory protection
 Respiratory protection must be provided in accordance with current local regulations. Must wear dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95.
General hygiene considerations
 When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

8.4. Personal protective equipment symbol(s)



Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid
Physical State: Liquid
Color: Light brown
Odor: Faint musty odor

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Solubility: 100% dispersed in water

Melting/Freezing Point: Not applicable

VOC Content: Not available

Flash point: Not available

Flammability (solid, gas): Not available

Flammable Limits: Not available

Odor: Characteristic

Initial Boiling Point/Range: Not available

Vapor Pressure: Not available

Vapor pressure at 50°C: Not available

Relative evaporation rate (ether=1): Not available

pH: 4.5 ± 0.5

Octanol/Water Coefficient: Not available

Decomposition Temperature: Not available

Autoignition Temperature: Not available

Boiling point: Not available

Critical temperature: Not available

Critical pressure: Not available

Relative vapor density at 20°C: Not available

Evaporation Rate: Not applicable

Relative evaporation rate (butyl acetate=1): Not available

Relative density: 1.02 g/ml at 20°C

Relative density of saturated gas/air mixture: Not available

Explosion limits: Not applicable

Explosive properties: None

Oxidizing properties: Not available

VOC content: Not available

Other properties: Not available

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity Stable.

No decomposition if stored and handled properly.

10.2. Chemical stability Alkalinity above 8 and acidity below 3.5 inactivate the product.

Spontaneous reaction is not reasonable.

Stable under recommended storage and handling conditions

10.3. Possibility of hazardous reactions Not available

10.4. Conditions to avoid Direct sunlight.

Temperature above 28°C/82°F.

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- Protect from frost.
 Alkalinity above 8 and acidity below 3.5 inactivate the product.
 Alkalinity above 8 and acidity below 3.5 inactivate the product.
 None known
 No known hazardous decomposition products.
- 10.5. Incompatible materials**
- 10.6. Hazardous decomposition products**

Section 11. TOXICOLOGICAL INFORMATION

- Acute toxicity (oral, (OECD 423):** >2000 mg/kg
Acute toxicity (dermal, OECD 402, rabbits): >2000 mg/kg
Acute toxicity (inhalation, OECD 403): >1.27 mg/L air, category 4
Skin corrosion/irritation: No information available
Dermal irritation :(OECD 404): Not classified
Eye irritation (OECD 405): Not classified
Skin sensitization potential (OECD 429): Category 1, subcategory 1B
CMR (carcinogenicity, mutagenicity and toxicity) effects for reproduction: Components are not listed as mutagens
Carcinogenicity: Components are not listed as carcinogenic by NTP, IARC or OSHA.
Microbial contaminants: None
Mutagenicity: Components of this product are not listed as mutagens.
Specific target organ toxicity (STOT) – single exposure: Skin sensitization
STOT (specific target organ toxicity) – repeated exposure: Not known.
Repeat dose studies: Not known.
Aspiration hazard: Not known.

Section 12. ECOLOGICAL INFORMATION

- 12.1. Toxicity**
- None-toxic and none-harmful to domestic animals, wildlife, beneficial insects, fish and other aquatic life**
- Toxicity**
 Fish: LC50 >370 mg/L (96-H, Rainbow Trout)
 Bird: LC50 >3077 mg /kg (6.2 x 1011 cfu/kg
 (Acute Oral - Bobwhite Quail) LC50 >3077 mg /kg
 (6.2 x 1011 cfu/kg) each day for 5 days
 (Sub-Acute Oral (dietary) - Bobwhite Quail)
 Invertebrates: LC50 >50 mg/L (48-H) (Daphnia)
 Bees: Essentially non-toxic to honey bees.
- Ecology – air**
 Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014).

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	Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009
12.2. Persistence and degradability	No information available.
12.3. Bio-accumulative potential	No information available.
12.4. Mobility in soil	No information available.
12.5. PBT/vPvB (persistent, bio-accumulative and toxic/very persistent and very bio-accumulative) assessment	Assessments not performed
12.6. Other adverse effects	No additional information available

Section 13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods	Waste disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.
	Contaminated packaging Do not reuse container.

Section 14. TRANSPORT INFORMATION

UN Number	Not available (no proper shipping name)
US DOT (Department of Transportation)	Not regulated for domestic ground transport (no proper shipping name)
IATA/ICAO (International Air Transport Association/ International Civil Aviation Organization)	Not Regulated (no proper shipping name)
IMDG (International Maritime Dangerous Goods)	Not Regulated (no proper shipping name)
Land transport (International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR))	Hazard identification number (Kemler No.): N/A Tunnel restriction code: N/A Special provisions: N/A Hazard label(s):N/A Class(es):N/A EmS (Emergency Medical Services)-№: N/A Special provisions: N/A Hazard label(s): See above.
Packing group	None
Environmental hazards	Land transport (ADR/RID): N/A Sea transport (IMDG): N/A
Special precautions for use	None
Further information	Not classified as dangerous in the meaning of transport regulations.

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Section 15. REGULATORY INFORMATION

International inventories

Abbreviations:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42).

US State Regulations: California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

Section 16. OTHER INFORMATION

H-phrases

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H333	May be harmful if inhaled

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NFPA Rating:

Health = 0

Flammability = 0

Instability = 0



Date of Current Revision: 10th August 2023

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