



LUXEMBOURG

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Issue date:21/11/2023

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers:

Trade names: GLYPHOS, EASYCTOLE

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

Relevant identified uses: Herbicide

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier: Luxembourg Industries Ltd.
27 Hamered St., Tel Aviv, 6812509
ISRAEL
Tel: +972 3 796 4300

1.4 Emergency telephone number

Emergency phone number: Call local emergency information.
+972 (3) 796 4300

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to the Global Harmonized System of Classification and Labelling of Chemicals (GHS).

Acute toxicity-Oral	Category 5, H303
Skin Corrosion/Irritation	Category 3, H316
Sensitization-Skin	Category 1B, H317
Hazardous to the aquatic environment	
Long-term hazard	Category 2, H411

2.2 Label elements

Labelling according to the Global Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard pictograms:



Signal word:

Warning

Hazard statement(s):

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

GLYPHOS SDS-GHS

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LUXEMBOURG INDUSTRIES LTD

27 Hamered St. Tel Aviv 6812509, P.O. Box 13 Tel Aviv 6100001, ISRAEL

Tel: +972 3 796 4300 ■ Fax: +972 3 510 0474 ■ E-mail: main@luxembourg.co.il ■ www.luxpam.com

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261 Avoid breathing mist/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with national/ international regulations.

2.3 Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria. Endocrine disrupting properties: None known.

3. Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Reportable ingredients	Product identifier	Content (% w/w)	Classification
Glyphosate-isopropylammonium (Glyphosate, in the form of its isopropylamine salt)	CAS No.: 38641-94-0	41.24 (480 g/L)	Aquatic chronic 2, H411
Non-ionic surfactant	Proprietary	1 < X < 10	Skin irritant 2, H315 Eye damage 2B, H320 Oral Acute tox 4, H302 Skin sensitization 1B, H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If inhaled:

Remove exposed person from exposure by moving to an area of fresh air Call a POISON CENTER or doctor/physician if you feel unwell. If breathing has stopped, artificial respiration should be started by qualified personnel. Oxygen may be administered by qualified personnel.



If swallowed:

Call a POISON CENTER or doctor/physician if you feel unwell. If conscious, ensure airway is clear, then have victim drink several glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In case of skin contact:

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed:

No specific symptom known.

4.3 Indication of any immediate medical attention and special treatment needed.

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

5. Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Small Fire: Dry chemical, CO₂, water spray or regular foam.

Large Fire: Water spray, fog or regular foam Dike fire-control water for later disposal.

Move containers from fire area if you can do it without risk.

Unsuitable extinguishing media: High volume water jet.

5.2 Specific hazards arising from the substance:

Toxic fumes may be generated in fire situations.

5.3 Advice for fire-fighters:

Fire-fighting personnel must wear pressure-demand, self contained breathing apparatus (SCBA) for all indoor fires and significant outdoor fires. Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.

6.2 Environmental precautions:

Avoid release to the environment. Do not allow to get into surface water, drains and ground water.

6.3 Methods and materials for containment and cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet, or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing. Keep working clothes separately. Garments that cannot be cleaned must be destroyed (burnt).

Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry, cool place. Keep the product in the original container away from food, animal foodstuffs and out of reach of children. Store the product in its original package in a safe place.

7.3 Specific end uses:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls / Personal protection

8.1 Control parameters:

No known occupational limit values.

8.2 Exposure controls:

Personal protective equipment:

Long sleeve shirt, long pants, boots, chemical resistant gloves, dust or mist respirator, and protective eyewear.

Environmental exposure controls: Prevent this product from entering drains, ditches or rivers.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Yellow-orange
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available.
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit:	No data available
Flash point:	No data available
Ignition temperature:	No data available
Decomposition temperature:	No data available
pH (5% water solution):	4.5-6.0
Kinematic viscosity:	No data available
Solubility in water:	1050 g/L (25°C, pH 4.3) (Glyphosate-isopropylammonium)
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	1.1-1.2 g/ml
Relative vapour density:	No data available
Particle characteristics:	No data available

9.2 Other information

Explosive properties:	No data available
Oxidising properties:	No data available

Information with regard to physical hazard classes:

Explosives	No data available
Flammable gases	No data available

Aerosols	No data available
Oxidising gases	No data available
Gases under pressure	No data available
Flammable liquids	No data available
Flammable solids	No data available
Self-reactive substances and mixtures	
Pyrophoric liquids	No data available
Pyrophoric solids	No data available
Self-heating substances and mixtures	No data available
Substances and mixtures, which emit flammable gases in contact with water	No data available
Oxidizing liquids	No data available
Oxidizing solids	No data available
Organic peroxides	No data available
Corrosive to metals	No data available
Desensitized explosives	No data available

10. Stability and reactivity

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No data.

10.4 Conditions to avoid:

Extreme temperatures and direct sunlight.

10.5 Incompatible materials:

No data.

10.6 Hazardous decomposition products:

No data.

11. Toxicological information *

11.1 Information on hazard classes

Acute toxicity

Oral LD₅₀ (rat): >4320 mg/kg

Dermal LD ₅₀ (rabbit):	>2000 mg/kg
Inhalation LC ₅₀ (4 hr rat):	> 2.08 mg/L
Skin corrosion/irritation	
Skin irritation (rabbit):	Slight irritating to skin
Serious eye damage/irritation	
Eye irritation (rabbit) :	Mild irritation, clears in 7 days
Respiratory or skin sensitization	
Dermal sensitization (guinea pig):	Not a sensitizer
Germ cell mutagenicity:	Glyphosate was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Carcinogenicity	Glyphosate was not carcinogenic in lifetime feeding studies in rats and mice.
Reproductive toxicity:	Glyphosate did not cause reproductive toxicity in a two-generation study in rats.
Developmental toxicity:	Glyphosate did not cause developmental toxicity in rats and rabbits.
Teratogenicity:	Glyphosate: Based on available data, the classification criteria are not met.
STOT-single exposure:	Glyphosate: Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Glyphosate did not cause specific target organ toxicity in experimental animal studies.
Aspiration hazard:	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Not available.

* For glyphosate-isopropylammonium technical material

12. Ecological information*

12.1 Toxicity

Toxicity to birds:

Bobwhite quail LD ₅₀ :	>2000 mg/kg
Mallard duck and Bobwhite quail LC ₅₀ (8 days):	> 4000 ppm

Toxicity to fish:

Fathead minnows LC ₅₀ (96 h):	84.9 mg/L
Bluegill sunfish LC ₅₀ (96 h):	> 24 mg/L

Toxicity to crustacean:

<i>Daphnia magna</i> LC ₅₀ (48 h):	780 mg/L
<i>Chironomus plumosus</i> LC ₅₀ (48 h):	55 mg/L

Toxicity to algae:

<i>Selenastrum capricornutum</i> EC ₅₀ (96 h):	12.5 mg/L
<i>Skeletonema costatum</i> EC ₅₀ (96 h):	0.85 mg/L

Toxicity to aquatic plants:

<i>Lemna gibba</i> EC ₅₀ (7 days):	21.5 mg /L
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Toxicity to honeybees:

LD ₅₀ (48h, contact and oral):	>100 µg/bee
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12.2 Persistence and degradability:	Not readily biodegradable.
12.3 Bioaccumulative potential:	Low, Bio Concentration Factor <1
12.4 Mobility in soil:	Low mobility to immobile
12.5 Results of PBT and vPvB assessment:	Not available.
12.6 Endocrine disrupting properties:	Not available.
12.7 Other adverse effects:	Not available.

* For glyphosate-isopropylammonium technical material

13. Disposal considerations**13.1 Waste treatment methods**

Must not be disposed of together with household garbage.
Do not allow product to reach sewage system.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Do not empty dispose waste or remains into sink or toilet, hand over to hazardous waste disposers.

14. Transport information*

14.1 UN No.:	3082
14.2 UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Glyphosate)
14.3 Transport hazard class:	9
14.4 Packing group:	III
14.5 Environmental hazards:	Marine pollutant
14.6 Special precautions for user:	Exercise appropriate precautions to minimize direct contact with eyes and skin.

14.7 Maritime transport in bulk according to IMO instruments:

Not intended to be bulk transported.

15. Regulatory information

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

This data sheet complies with the requirements of the Global Harmonized System of Classification and Labelling of chemicals (GHS).

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

The information contained herein is applicable solely to the indicated product and does not relate to any other use of this product as described. Its use is intended by people having technical skills and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed, or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Full text of H-Statements referred to under section 3:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

H411 Harmful to aquatic life with long lasting effects.

Version: 2, Replaces version 1 of: 05/2018.

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