

SAFETY DATA SHEET
EU Regulation No. 1907/2006,
Annex II

Page : 1

Revised edition no : 6

Date : 1 / 2 / 2015

Supersedes : 22 / 9 / 2014

GLYPHOGAN

H-01050-17274-RAII

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

1.1. Product identifier

Trade name : GLYPHOGAN

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

Relevant identified uses : Herbicide
Uses advised against : None under normal conditions.

1.3. Details of the supplier of the safety data sheet

ADAMA Agan Ltd
P.O.B. 262
ASHDOD Israel
Email : SDS@ADAMA.COM

1.4. Emergency telephone number

: +972-8-8515211

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification 67/548/EEC (DSD) - 1999/45/EC (DPD)

: Xi; R36
N; R51-53

2.2. Label elements

Labelling 1999/45/EC (DPD)

Symbol(s)



R Phrase(s)

S Phrase(s)

: Xi : Irritant
N : Dangerous for the environment.
: R36 - Irritating to eyes.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
: S02 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S25 - Avoid contact with eyes.
S29/35 - Do not empty into drains ; dispose of this material and its container in a safe way.
S46 - If swallowed seek medical advice immediately and show this container or label.
S57 - Use appropriate container to avoid environmental contamination.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.3. Other hazards

Other hazards : None under normal conditions.

SECTION 3. Composition/information on ingredients

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Glyphosate isopropylammonium	: 39 - 43 %	38641-94-0	254-056-8	----	----	N; R51-53 ----- Aquatic Chronic 2 - H411
Ethoxylated alkylamine	: 10 - 18 %	61791-26-2	----	----	----	Xn; R22 Xi; R41 N; R51-53 ----- Eye Dam 1 - H318 Acute Tox. 4 - H302 Aquatic Chronic 2 - H411

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SECTION 3. Composition/information on ingredients (continued)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation** : Remove victim to fresh air. If breathing is difficult: artificial respiration . Get medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash away remainder with plenty of water.
- Eye contact** : Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Consult an eye specialist.
- Ingestion** : Wash out mouth 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

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

- Note to physician** : No specific antidote known. Treat symptomatically and give supportive therapy.
- Protection of first-aiders** : Use appropriate protection (see section 8).

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media** : For small fire : dry chemical powder , water spray carbon dioxide
For large fire : foam , water fog , water spray.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products** : Phosphorus oxides , nitrogen oxides (NO, NO2) , carbon oxides (CO, CO2) .

5.3. Advice for fire-fighters

- Protection against fire** : Self-contained breathing apparatus and total protection required in enclosed areas.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For emergency responders** : Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions

- Environmental precautions** : Do not empty into drains Do not discharge into the environment.

6.3. Methods and material for containment and cleaning up

- Clean up methods** : Absorb in sand or other inert material. Collect spills and put it into appropriated container.
Dispose of this material and its container at hazardous or special waste collection point.

6.4. Reference to other sections

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Ventilation required.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep in original containers. Keep away from food, drink and animal feeding stuffs. Store in dry, well-ventilated area.

Storage - away from : Direct sunlight .

7.3. Specific end use(s)

Precautions in handling and storage : Handle in accordance with good industrial hygiene and safety procedures.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

TLV[©] : Data not available.
: Ventilation required.

8.2. Exposure controls

: Wash hands thoroughly after handling. When using do not eat, drink or smoke. Wash clothing before re-using.

Personal protection

- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. .
- Hand protection : Wear suitable gloves.
- Skin protection : Wear suitable protective clothing Wear safety boots.
- Eye protection : Chemical goggles or safety glasses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

- Physical state at 20 °C : Liquid
- Colour : Light Amber - Light Brown
- Odour : Faint odour
- Odour threshold : Not available
- pH : 4.4 - 4.9
- Melting point / Freezing point : Not applicable
- Initial boiling point - boiling range : Not available
- Flash point : > 100°C
- Evaporation rate : Not available
- Flammability : Not applicable for liquids
- Explosion limits (lower - upper) : Not available
- Vapour pressure : Not applicable
- Vapour density : Not available
- Relative density : density : 1.165 g/ml (20°C)
- Solubility : Water: Solution.
- Partition coefficient : n-octanol / water : Log P < -5.4 (Glyphosate-isopropylammonium)
- Auto-ignition temperature : Not available
- Decomposition temperature : Not available

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SECTION 9. Physical and chemical properties (continued)

Viscosity : Not available
Explosive Properties : Not explosive
Oxidising properties : Not available

9.2. Other information

: Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

: Stable under normal conditions.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

: Hazardous polymerization will not occur

10.4. Conditions to avoid

: Not known

10.5. Incompatible materials

Materials to avoid : oxidizing agents , acids , alkali .

10.6. Hazardous decomposition products

Hazardous decomposition products : Chloride compounds , nitrogen oxides (NO, NO₂) , carbon oxides (CO, CO₂) .

SECTION 11. Toxicological information

11.1. Information on toxicological effects

- Acute toxicity
 - Oral, Rat LD50 (mg/kg) : > 5,000
 - Dermal, Rat LD50 [mg/kg] : > 5,000
 - Inhalation, Rat LC50 [mg/l/4h] : > 5.7
- Skin corrosion/irritation : Slight irritant .
- Serious eye damage/irritation : Irritating to eyes. .
- Respiratory or skin sensitisation : Non sensitizer
- Germ cell mutagenicity : Not mutagenic (Glyphosate)
- Carcinogenicity : Not carcinogenic (Glyphosate)
- Reproductive toxicity : Not considered to be toxic for the reproductive system. (Glyphosate)
- STOT-single exposure : Not available
- STOT-repeated exposure : Not available
- Aspiration hazard : Not available

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SECTION 12. Ecological information

12.1. Toxicity

Acute toxicity

Acute toxicity : Based on data of a similar product:
96 Hour - LC50- fish [mg/l] : 3.64
48 H-EC50 - Daphnia magna [mg/l] : 17.21
72 H-EC50 - Algae [mg/l] : 12.1 (Biomass)
Bees LD50 [µg] : Not toxic to bees

Long-term exposure

12.2. Persistence - degradability

Persistence - degradability : Soil Half-life time (t1/2) 4 - 180 days (Glyphosate)

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility : Low mobility . Adsorbs strongly to soil. (Glyphosate)

12.5. Results of PBT and vPvB assessment

: Not available

12.6. Other adverse effects

: None known.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

General : Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

14.1. UN number

UN N° : 3082
Hazard Label(s)



: 9 : Miscellaneous dangerous substances and articles.

14.2. UN proper shipping name

• Land transport - ADR/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate isopropylammonium, Ethoxylated alkylamine)
• Sea transport - IMO-IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate isopropylammonium, Ethoxylated alkylamine)
• Air transport - ICAO/IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate isopropylammonium, Ethoxylated alkylamine)

14.3. Transport hazard class(es)

• Land transport - ADR/RID : 9
• Sea transport - IMO-IMDG : 9
• Air transport - ICAO/IATA : 9

14.4. Packing group

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SECTION 14. Transport information (continued)

- Land transport - ADR/RID : III
- Sea transport - IMO-IMDG : III
- Air transport - ICAO/IATA : III

14.5. Environmental hazards

- IMDG-Marine pollution : Marine pollutant - Polluant marin

14.6. Special precautions for user

- : See transport documents.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

- : Not applicable.

SECTION 15. Regulatory information

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

- : Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

- : Not applicable

SECTION 16. Other information

*List of relevant R phrases (heading 3) : R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*List of relevant H phrases (Section 3) : H302 - Harmful if swallowed.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.*

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