

Rosate 36

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

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Version 2 EI

Issue date: 08-04-10

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

Identification of the preparation: Glyphosate acid 360 g/l as the isopropylamine salt plus coformulants to 100%, as a soluble liquid.

Trade name: Rosate 36

Use of the preparation: For use only as an agricultural/horticultural/industrial/forestry/aquatic herbicide.

Company identification: Albaugh Europe Sàrl
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Vaud
Switzerland

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Email: msds@albaughurope.eu
Web:

⇒ **Emergency telephone:** For advice on medical emergencies, fires, spillages or chemical hazards ONLY: +44 (0) 1235 239 670
UK National Poisons Information Service: + 44 (0)121 507 4123

2. Hazards identification

Hazard classification: Classified as "N": Dangerous for the environment.

R51/53: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. Composition / information on ingredients

Chemical Name	CAS-No.	EC-No.	Annex I Index no.	Classification	Concentration
N-(phosphonomethyl) glycine, compound with 2-propylamine (1:1)	38641-94-0	254-056-8	-	N; R51/53	41.5 %
Tallow alkylamine ethoxylate	61791-26-2	-	-	Xn; R22, R41 N; R51/53	15.5 %
Other ingredients	-	-	-	-	to 100%

For full text of R phrases, refer to Section 16.

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4. First aid measures

<i>General advice:</i>	If symptoms occur after exposure to this product, seek medical advice and show the product label or this SDS. Remove to fresh air and keep at rest. Do not allow smoking or eating. Take off all contaminated clothing and footwear. Comply with all the necessary protection and safety measures to avoid contamination in giving first aid.
<i>Eye contact:</i>	Immediately rinse with water. Holding eyes open, continue rinsing for 15 minutes at least. Remove contact lenses as soon as possible. Seek medical attention if irritation persists.
<i>Skin contact:</i>	Remove all contaminated clothing immediately. Wash skin with soap and rinse with plenty of water. Seek medical attention if irritation persists. Wash clothes before re-use.
<i>Inhalation:</i>	Remove to fresh air and keep at rest. Administer artificial respiration if breathing has stopped and seek medical attention immediately.
<i>Ingestion:</i>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Offer the casualty water to drink. Remove any residues from mouth and rinse it with plenty of water. Never give anything by mouth to an unconscious person.
<i>Information for doctors:</i>	Treat symptomatically. No specific antidote. In case of ingestion, do NOT induce vomiting. Gastric lavage may be necessary (with proper laryngeal control). Before emptying the stomach, assess the potential danger arising from lung aspiration against the product toxicity. Report to Albaugh Europe Sàrl any unusual symptoms occurring after exposure by any route.

5. Fire fighting measures

<i>Suitable extinguishing media:</i>	Carbon dioxide, water spray, alcohol-resistant foam, dry chemical for small fires, alcohol-resistant foam or water spray for large fires.
<i>Unsuitable extinguishing media:</i>	Solid water jet.
<i>Special hazards:</i>	May evolve toxic and irritant fumes in fire (nitrogen oxides, carbon oxides and phosphorus oxides). Avoid breathing smoke or mists when fire fighting.
<i>Protective equipment:</i>	Use a positive pressure, self-contained breathing apparatus and protective clothing.
<i>Further information:</i>	Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

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6. Accidental release measures

<i>Personal precautions:</i>	Wear prescribed protective clothing, refer to precautions outlined in Section 8.
<i>Environmental precautions:</i>	Use appropriate containment to avoid environmental contamination. Control the release at its source. Contain the spill to prevent it from spreading, contaminating soil or entering sewage and drainage systems or any body of water. Inform the local water company if the release enters drains and the Environment Agency (England and Wales), the Scottish Environmental Protection Agency (Scotland) or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Do not allow people or animals to access the contaminated area.
<i>Methods for cleaning up:</i>	Clean up spills immediately. Contain spill by diking with earth, sand or absorbent material and place it into a compatible marked disposal container. Scrub area with a hard water detergent. Soak up wash liquid with additional absorbent material and place into a marked disposal container. Once all material is cleaned up and placed in a container, seal and arrange for disposal according to Section 13.

7. Handling and storage

CAUTION: HANDLE WITH CARE.

Handling:	Avoid all contact by mouth, with eyes and skin. Do not breathe spray. Wear personal protective equipment as specified in Section 8. When using, do not eat, drink or smoke. Wash hands and exposed skin before eating and after work. Wash all protective clothing thoroughly after use, especially the insides of gloves.
Storage:	Keep in original container, tightly closed, in a dry, cool and safe place. Store in a locked, suitable pesticide store. Keep out of the reach of children and unauthorised personnel. Keep away from food, drink and animal feeding stuffs. Keep dry and frostproof in a suitable pesticide store. Keep away from heat and sources of ignition. DO NOT STORE in galvanised or unlined mild steel containers (see section 10).
Specific uses:	For professional use exclusively as a herbicide as directed by the product label, every other use is hazardous.

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8. Exposure control/personal protection

Comply with the Health and Safety at Work etc. Act 1974, as amended, the Control of Substances Hazardous to Health Regulations 1999 (COSHH), as amended, and the instructions indicated on the label.

Exposure limit values: No specific occupational exposure limit values have been set for the preparation or any of its components.

Exposure controls: In order to minimize worker and environmental exposure, use engineering controls and appropriate work processes in preference to personal protective equipment in the areas where the preparation is handled, transported, loaded, unloaded, stored and used.

Occupational exposure controls Provide adequate ventilation. Use specialized transfer systems if available. Wear suitable protective gloves when handling the concentrate and when handling contaminated surfaces. Wear suitable protective clothing (coveralls), suitable protective gloves and rubber boots when using hand-held sprayers and hand-held rotary atomisers. Wear suitable protective clothing (coveralls), suitable protective gloves, rubber boots and face protection (faceshield) when using weedwiper equipment, making cut-stump treatments and using stem injection equipment. Wash concentrate from skin or eyes immediately. Do not breathe spray. Wash hands and exposed skin before meals and after work. Wash all protective clothing thoroughly after use, especially the insides of gloves. When using do not eat, drink or smoke.

Respiratory protection: No special requirement when used as recommended. For exposure to spray particles, wear particle filtering half mask (EN 149) or half mask connected to particle filter (EN 140 + 143).

Hand protection: Wear suitable protective gloves against chemicals (EN 374 part 1, 2, 3). Nitrile rubber min. 0.5mm thick and 300mm long gloves are the ones proven to be the most suitable according to tests on pesticide products. Wash the gloves thoroughly after each use, especially the insides. Replace gloves if damaged and before exceeding the breakthrough time.

Eye protection: Avoid contact with eyes. If there is a significant potential for contact, wear suitable eye protection (EN 166).

Skin protection: Avoid contact with skin. If there is a significant potential for contact, wear suitable coveralls (ISO 13982-1, Type 5, EN 13034, Type 6).

Environmental exposure controls Implement all applicable local and community environmental protection legislation. Use appropriate containment to avoid environmental contamination. Do not contaminate water with the product or its container except when used as directed. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads. Refer to Section 12 and 13.

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9. Physical and chemical properties

General information

<i>Appearance:</i>	Liquid
<i>Colour:</i>	Amber
<i>Odour:</i>	Faint amine

Important health, safety and environmental information

<i>pH:</i>	5.0 at 25°C
<i>Flash point:</i>	None (water based)
<i>Water solubility:</i>	Completely miscible with water
<i>Viscosity:</i>	75.1 mPa.s at 20°C 31.2 at 40°C
<i>Boiling point:</i>	100 °C
<i>Specific gravity:</i>	1.175 g/cm ³ at 20°C

10. Stability and reactivity

Conditions to avoid:	Reacts with galvanised steel and unlined mild steel with the release of hydrogen, a highly flammable gas that may explode. Do not store in proximity of sources of ignition and direct sunlight.
Materials to avoid:	Galvanised steel and unlined mild steel containers.
Hazardous decomposition products:	None under correct storage and handling conditions. During decomposition evolves toxic and irritating fumes.

11. Toxicological information

<i>Acute oral LD₅₀ (rat):</i>	> 5000 mg/kg
<i>Acute dermal LD₅₀ (rabbit):</i>	> 5000 mg/kg
<i>Acute Inhalation LD₅₀ (rat):</i>	> 5.12 mg/l
<i>Skin irritation:</i>	Non irritant
<i>Eye irritation:</i>	Moderate eye irritant.
<i>Sensitisation (guinea pig):</i>	Non sensitising.
<i>Carcinogen status:</i>	No evidence of carcinogenicity.
<i>Mutagenicity:</i>	No evidence of mutagenicity.
<i>Reproductive toxicity:</i>	No evidence of teratogenicity.

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12. Ecological information

Ecotoxicity

<i>LC₅₀ Fish (Oncorhynchus mykiss) 96h:</i>	8.2 mg/l
<i>EC₅₀ Aquatic Invertebrates (Daphnia magna) 48h:</i>	11.0mg/l
<i>LD₅₀ Birds (Mallard duck):</i>	>5620 mg/kg
<i>ErC₅₀ (Selenastrum capricornutum) 72 h:</i>	8.0 mg/l
<i>Honey bees:</i>	Non toxic to bees.

Mobility: Not determined.

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined.

Other adverse effects: Not determined.

13. Disposal considerations

Disposal of waste product, contaminated packaging materials and any excess diluted spray should be in accordance with The Hazardous Waste (England and Wales) Regulations 2005 and any other applicable local or national legislation (for guidance refer to the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings").

For the handling and management of accidental release, follow the information given under Section 6 and 7.

This material and its container must be disposed of in a safe way.

14. Transport information

The preparation is classified as dangerous for transport.

Land transport ADR/RID (cross-border)

ADR/RID-GGVS/E Class:	9 (M6)
Kemler number:	90
UN number:	3082
Packaging group:	III
Label:	9
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1) and tallow alkylamine ethoxylate).

Maritime transport IMDG

IMO/IMDG Class:	9
UN number:	3082
Label:	9
Packaging group:	III
Marine pollutant:	Yes
Correct technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1) and tallow alkylamine ethoxylate).

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Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class:	9
UN/ID number:	3082
Label:	9
Packaging group:	III
Correct technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1) and tallow alkylamine ethoxylate).

15. Regulatory information

This preparation is a herbicide classified as "N": Dangerous for the environment in accordance with The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002 (CHIP 3)¹⁾ and identified with the following symbol:



DANGEROUS FOR THE ENVIRONMENT

Restrictions and health, safety and environmental information on the product label not mentioned elsewhere on this SDS:

Rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of the container safely
To avoid risks to man and the environment, comply with the instructions for use.

Code letter and hazard designation of the preparation:

"N": Dangerous for the environment.

R-phrases:

51/53.

S-phrases:

2, 13, 20/21, 35, 57

This product is approved by the Pesticide Control Service with no. 03616.

For professional use only.

Comply with the Health and Safety at Work etc. Act 1974, as amended, the Control of Substances Hazardous to Health Regulations 1999 (COSHH), as amended, and the instructions indicated on the label.

¹⁾ implementing, among others:

The Dangerous Preparations Directive 1999/45/EC and its first ATP, 2001/60/EC;

The second Amendment, 2001/58/EC, of the Safety Data Sheet Directive 91/155/EEC;

The relevant parts of 2001/59/EC – the 28th ATP to the Dangerous Substances Directive 67/548/EEC.

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16. Other information

References/Sources of data:

- Commission Directive 2000/32/EC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances;
- Health and Safety at Work etc. Act 1974 as amended and Control of Substances Hazardous to Health Regulations 1999 as amended (COSHH).
- BS EN 347, part 1, 2, 3.

Code letter and hazard designation mentioned in Section 2 and 3:

Xn Harmful
N Dangerous for the environment

Full text of relevant R and S phrases:


R-phrases:

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.

S-phrases:

S2	Keep out of reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate containment to avoid environmental contamination.

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.

This Material Safety Data Sheet was compiled on 08/04/2010 in compliance with Regulation (EC) No. 1907/2006. This version replaces all previous versions. Changes from the previous version are indicated by a  in the margin.

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