



## ROUNDUP POWERMAX

Version 3 / IRL  
102000040233

1/12  
Revision Date: 11.12.2024  
Print Date: 13.03.2025

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

**Trade name** ROUNDUP POWERMAX  
**UFI** JAW1-W0QC-800Y-WSQY  
**Product code (UVP)** 62290410

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

**Use** Herbicide  
**Restrictions on use** See product label for restrictions.

#### 1.3 Details of the supplier of the safety data sheet

**Supplier** Bayer CropScience Ltd  
Bayer Ltd  
1st Floor, The Grange Offices  
The Grange, Brewery Road  
Stillorgan  
A94 H2K7 Co. Dublin  
Ireland  
**Telephone** +353 1 216 3300  
**Responsible Department** Email: gb-bcs-crop-regulatory-affairs@bayer.com

#### 1.4 Emergency telephone no.

**Emergency telephone no.** +44 330 678 3382 (24 hr) (charged as a standard international call to the UK)  
For Medical Professionals and Members of the Public:  
You can also contact the relevant NPIS.  
National Poisons Information Centre Dublin: 01 809 2166

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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Long-term (chronic) aquatic hazard: Category 2  
H411 Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements



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**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Hazard label for supply/use required.

**Hazardous components which must be listed on the label:**

- Glyphosate ammonium salt



### Hazard statements

H411 Toxic to aquatic life with long lasting effects.  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### Precautionary statements

P234 Keep only in original container.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P391 Collect spillage.  
P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site, except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

### 2.3 Other hazards

No additional hazards known beside those mentioned.

Glyphosate: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Chemical nature

Water soluble granules (SG)  
Ammonium salt of glyphosate 790 g/kg

#### Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. /	Classification	Conc. [%]
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	EC-No. / REACH Reg. No.	REGULATION (EC) No 1272/2008	
Glyphosate ammonium salt	40465-66-5	Aquatic Chronic 2, H411	72
Ethoxylated fatty amidoamine	1189172-06-2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	> 3 – < 10
Alcohols, C16-18, ethoxylated	68439-49-6 500-212-8	Eye Irrit. 2, H319	> 3 – < 10
Sodium sulphite	7757-83-7 231-821-4 01-2119537420-49-xxxx	Not classified	< 1

### Further information

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

### Particle characteristics

This substance/ mixture does not contain nanoforms

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General advice</b>	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
<b>Inhalation</b>	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately.

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

<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system.  Hypersensitivity to sulphiting agents., A very small percentage of particularly sensitive people may suffer skin or respiratory reactions.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Risks</b>	This product is not a cholinesterase inhibitor.
<b>Treatment</b>	Treatment with atropine and oximes is not indicated. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.



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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**5.2 Special hazards arising from the substance or mixture** In the event of fire the following may be released: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Oxides of phosphorus

#### 5.3 Advice for firefighters

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**Further information** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Precautions** Do not breathe dust. Use personal protective equipment. Keep unauthorized people away.

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

#### 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up** Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

**Advice on safe handling** Avoid dust formation. Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes



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separately. Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight. Protect from freezing.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end use(s)** Refer to the label and/or leaflet.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No known occupational limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Formulated product

#### Respiratory protection

Wear respirator with a particle filter mask (protection factor 4) conforming to European Norm EN149FFP1 or equivalent. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

#### Hand protection

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Directive	Protective gloves complying with EN 374.

#### Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

#### Skin and body protection

Wear standard coveralls and Category 3 Type 5 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly



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contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

<b>Form</b>	granules, Free-flowing, free from foreign matter
<b>Colour</b>	light brown
<b>Odour</b>	chemical
<b>Odour Threshold</b>	No data available
<b>Melting point/ range</b>	No data available
<b>Boiling Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	The product is not self-ignitable.
<b>Minimum ignition energy</b>	No data available
<b>Self-accelarating decomposition temperature (SADT)</b>	No data available
<b>pH</b>	3.4 - 4.2 (1.5 %) (23 °C) (deionized water)
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Water solubility</b>	soluble
<b>Partition coefficient: n-octanol/water</b>	Glyphosate: log Pow: -3.2
<b>Vapour pressure</b>	No significant volatility.
<b>Density</b>	No data available
<b>Relative density</b>	Not applicable
<b>Bulk density</b>	0.54 - 0.58 g/cm <sup>3</sup> (loose)
<b>Relative vapour density</b>	No data available
<b>Assessment nano particles</b>	This substance/ mixture does not contain nanoforms



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### 9.2 Other information

<b>Explosivity</b>	Not explosive
<b>Oxidizing properties</b>	No data available
<b>Evaporation rate</b>	Not applicable
<b>Other physico-chemical properties</b>	Further safety related physical-chemical data are not known.

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.
<b>10.4 Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	Galvanised steel, Unlined mild steel Store only in the original container.
<b>10.6 Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use. Hazardous products of combustion: see section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in regulation (EC) No 1272/2008

<b>Acute oral toxicity</b>	LD50 (Rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (Rat) > 2.10 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol. Highest attainable concentration.  During intended and foreseen applications, no respirable aerosol is formed.
<b>Acute dermal toxicity</b>	LD50 (Rat) > 5,000 mg/kg
<b>Skin corrosion/irritation</b>	Slight irritant effect - does not require labelling. (Rabbit)
<b>Serious eye damage/eye irritation</b>	Slight irritant effect - does not require labelling. (Rabbit)
<b>Respiratory or skin sensitisation</b>	Skin: Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Buehler test
<b>Assessment STOT Specific target organ toxicity – single exposure</b>	



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Glyphosate: Based on available data, the classification criteria are not met.

### Assessment STOT Specific target organ toxicity – repeated exposure

Glyphosate did not cause specific target organ toxicity in experimental animal studies.

### Assessment mutagenicity

Glyphosate was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment toxicity to reproduction

Glyphosate did not cause reproductive toxicity in a two-generation study in rats.

### Assessment developmental toxicity

Glyphosate did not cause developmental toxicity in rats and rabbits.

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

### Endocrine disrupting properties

**Assessment** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

<b>Toxicity to fish</b>	LC50 (Danio rerio (zebra fish)) 102 mg/l Exposure time: 96 h
<b>Chronic toxicity to fish</b>	Brachydanio rerio (zebrafish) NOEC: 1.0 mg/l Exposure time: 7 d The value mentioned relates to the active ingredient glyphosate.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) > 93 mg/l Exposure time: 48 h
<b>Toxicity to aquatic plants</b>	ErC50 (Raphidocelis subcapitata (freshwater green alga)) 51 mg/l Growth rate; Exposure time: 72 h NOAEC (Lemna gibba (gibbous duckweed)) 8.8 mg/l Growth rate; Exposure time: 7 d

### 12.2 Persistence and degradability

**Biodegradability** Glyphosate:  
Not rapidly biodegradable

### 12.3 Bioaccumulative potential

**Bioaccumulation** Glyphosate: Bioconcentration factor (BCF) 0.5





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Does not bioaccumulate.

### 12.4 Mobility in soil

#### Mobility in soil

Glyphosate: Slightly mobile in soils

### 12.5 Results of PBT and vPvB assessment

#### PBT and vPvB assessment

Glyphosate: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

### 12.6 Endocrine disrupting properties

#### Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Additional ecological information

No further ecological information is available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

#### Contaminated packaging

Not completely emptied packagings should be disposed of as hazardous waste.

#### Waste key for the unused product

**02 01 08\*** agrochemical waste containing hazardous substances

## SECTION 14: TRANSPORT INFORMATION

### ADR/RID/ADN

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (GLYPHOSATE, AMMONIUM SALT MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	-

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

### IMDG

14.1 UN number

**3077**



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14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (GLYPHOSATE, AMMONIUM SALT MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

### IATA

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (GLYPHOSATE, AMMONIUM SALT MIXTURE )
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

### 14.7 Transport in bulk according to IMO instruments

No transport in bulk according to the IBC Code.

## SECTION 15: REGULATORY INFORMATION

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

#### Republic of Ireland Regulations

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

#### Supply and Use

European Communities (Prohibition of Certain Active Substances in Plant Protection Products) Regulations 1981 (SI No 320/1981)  
European Communities (Authorization, Placing on the Market, Use and Control of Plant Protection Products) Regulations 2003 (SI No 83/2003)  
European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001 (SI No 624/2001)  
2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations, 2001 (SI No 619/2001)

#### Waste Treatment

Landfill Directive  
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

#### Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

### 15.2 Chemical safety assessment



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A chemical safety assessment is not required.

### SECTION 16: OTHER INFORMATION

#### Text of the hazard statements mentioned in Section 3

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
ELV	Exposure Limit Value
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2020/878 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional



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national requirements.

### Reason for Revision:

The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients. Section 4: First Aid Measures. Section 8: Exposure Controls / Personal Protection. Section 10. Stability and reactivity. Section 12. Ecological information. Section 14: Transport Information. Section 15: Regulatory information.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.