

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RONDO 757 SG (Glyphosate Ammonium Salt 75.7 % SG)**

Revision date: 04.10.2017

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

RONDO 757 SG (Glyphosate Ammonium Salt 75.7 % SG)

**Further trade names**

herbicide

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

herbicide

**1.3. Details of the supplier of the safety data sheet**

Company name: DVA Agro GmbH  
Street: Valentinskamp 70 / EMPORIO  
Place: D-20355 Hamburg  
Telephone: +49-40-822285-5  
Telefax: +49-40-822285-709

**1.4. Emergency telephone number:**

+32-14-584545

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

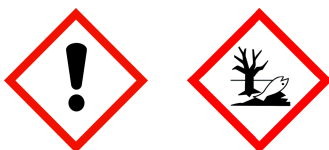
Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P391 Collect spillage.  
P501 Dispose of contents/container to an approved waste disposal plant.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

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**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
40465-66-5	glyphosate-monoammonium salt			75,7 %
	Aquatic Chronic 2; H411			
497-19-8	sodium carbonate			14 %
	207-838-8	011-005-00-2		
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.  
Never give anything by mouth to an unconscious person.  
If unconscious place in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. Bring affected victim outside away from exposure and provide for fresh air  
Call for prompt medical advice in the case of trouble in breathing

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Immediately remove any contaminated clothing, shoes or stockings.  
After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Obtain medical advice immediately

**4.2. Most important symptoms and effects, both acute and delayed**

No specific symptoms known

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

Treat symptomatically. Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Water (Spray – not splash), extinguishing powder, carbon dioxide, foam

**Unsuitable extinguishing media**

High power water jet



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#### **5.2. Special hazards arising from the substance or mixture**

Non-flammable. Forming of dangerous gases / vapours at decomposition: Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen chloride

Forming of dangerous gases / vapours in case of a fire in the surroundings possible too

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Evacuate personnel to a safe area. Keep personnel removed and upwind

Use self-contained breathing apparatus and chemical protective clothes

Clean equipment after use (Shower, clean and check clothing carefully).

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water. Suppress gases/vapours/mists with water spray jet.

### **SECTION 6: Accidental release measures**

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

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Pay attention to protective measurements according to section 8.

Do not touch spilled material.

Provide adequate ventilation.

Remove all sources of ignition.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Safe handling: see section 7

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Inform the appropriate authorities if considerable quantities of the product are released

#### **6.3. Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Take up mechanically or use sand, oil-dry or other absorbing materials

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Keep away from reactive material (see section 10)

Avoid contact with skin, eyes and clothes.

Provide adequate ventilation.

Do not eat, drink or smoke at work

Wash hands thoroughly after handling or contact

Clean equipment after use (Shower, clean and check clothing carefully).

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Further information on handling**

Inform personnel about dangerous product.

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



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#### Requirements for storage rooms and vessels

- Keep container tightly closed. Store in closed original packaging
- Store at a cool, dry and well-ventilated place.
- Protect from heat and humidity
- Keep locked up and out of reach of children.
- Keep away from food, drink and animal feeding stuffs.

#### Advice on storage compatibility

Do not store together with: Oxidising agent, Strong acid, Strong alkali

#### Further information on storage conditions

Avoid direct contact with the product.

#### 7.3. Specific end use(s)

herbicide

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Additional advice on limit values

- Occupational exposure limits: At the present there are no information regarding exposure limit values

#### 8.2. Exposure controls



#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

Physical state:	Granulate
Colour:	white
Odour:	odourless

#### Test method

pH-Value:	4-6
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#### Changes in the physical state

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Melting point:	230 °C
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
<b>Flammability</b>	
Solid:	not determined
Gas:	not applicable
<b>Explosive properties</b>	
not explosive	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
<b>Auto-ignition temperature</b>	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
<b>Oxidizing properties</b>	
Not oxidising.	
Vapour pressure:	not determined
Density:	not determined
Water solubility:	easily soluble
<b>Solubility in other solvents</b>	
not determined	
Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

**9.2. Other information**

Solid content:	not determined
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Mixing, storage and applying of the product and of the spray solutions of this product using only stainless steel, fiberglass, plastic or plastic-lined steel containers because of forming of hydrogen, which may form a highly combustible gas air mixture. With alkalines forming of ammonia is possible. The product can react with caustic (basic materials to liberate heat). This is not a polymerization but rather a chemical neutralization in an acid base reaction.

**10.4. Conditions to avoid**

Avoid storage in moist or hot conditions, near of ignition sources.

**10.5. Incompatible materials**

Strong oxidizing agents, strong acids, strong bases, galvanized steel, and mild steel.

**10.6. Hazardous decomposition products**

Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Phosphorus oxides (e.g. P<sub>2</sub>O<sub>5</sub>), Ammonia.

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
40465-66-5	glyphosate-monoammonium salt			
	oral	LD50 4613 mg/kg	rats	The Pesticide Manual
	dermal	LD50 >5000 mg/kg	rabbits	The Pesticide Manual
497-19-8	sodium carbonate			
	oral	LD50 4090 mg/kg	Rat	IUCLID

**Irritation and corrosivity**

Glyphosate:  
eye irritant (rabbits) skin irritant (rabbits)

**Sensitising effects**

Glyphosate:  
Not a skin sensitizer (guinea pigs)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Carcinogenicity (source: GESTIS Substance Database): Long-term studies on the toxicity and carcinogenicity of Glyphosate were carried out on rats and mice without any evidence of carcinogenic effects, even up to the highest tested dose of 1000 mg/kg bw x d. Mutagenicity (source: GESTIS Substance Database): The genotoxic potential of Glyphosate has been intensely studied. Based on the results, Glyphosate was evaluated as not genotoxic. In the two available two-generation studies on rats, Glyphosate had no influence on fertility. The overall NOAEL for toxic effects in parents and offspring was 3000 ppm Glyphosate in food (equal to 197 mg/kg bw x d). This is based on food and water consumption as well as the reduced body weight gain in F1 animals and higher incidence of changes in the salivary glands in F0 and F1 animals at 10000 ppm. In studies on developmental toxicity on rats, based on reduced fetal weight, delayed ossification and increased incidence of postimplantation loss the NOAEL for effects in the offspring was 175 mg/kg bw x d. Experts concluded that Glyphosate does not have any teratogenic effects.

**Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
40465-66-5	glyphosate-monoammonium salt				
	Acute fish toxicity	LC50 86 mg/l	96 h	trout	The Pesticide Manual
	Acute algae toxicity	ErC50 460 mg/l	72 h	Selenastrum capricornutum	The Pesticide Manual
	Fish toxicity	NOEC 25 mg/l	21 d	Oncorhynchus mykiss	PPDB
497-19-8	sodium carbonate				
	Acute fish toxicity	LC50 300 mg/l	96 h	Lepomis macrochirus	
	Acute crustacea toxicity	EC50 265 mg/l	48 h	Daphnia magna	IUCLID

**12.2. Persistence and degradability**

The product has not been tested.

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**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
40465-66-5	glyphosate-monoammonium salt	<-3.7

**BCF**

CAS No	Chemical name	BCF	Species	Source
40465-66-5	glyphosate-monoammonium salt	0.5 l/kg	Whole fish	PPDB

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number:**

UN 3077

**14.2. UN proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(glyphosate-monoammonium salt)**14.3. Transport hazard class(es):**

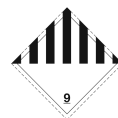
9

**14.4. Packing group:**

III

Hazard label:

9



Classification code:

M7

Special Provisions:

274 335 375 601

Limited quantity:

5 kg

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

**Inland waterways transport (ADN)****14.1. UN number:**

UN 3077



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**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(glyphosate-monoammonium salt)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Classification code: M7

Special Provisions: 274 335 375 601

Limited quantity: 5 kg

Excepted quantity: E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 3077

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(glyphosate-monoammonium salt)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: 274, 335, 966, 967, 969

Limited quantity: 5 kg

Excepted quantity: E1

EmS: F-A, S-F

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3077

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(glyphosate-monoammonium salt)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: A97 A158 A179 A197

Limited quantity Passenger: 30 kg G

Passenger LQ: Y956

Excepted quantity: E1

IATA-packing instructions - Passenger: 956

IATA-max. quantity - Passenger: 400 kg

IATA-packing instructions - Cargo: 956

IATA-max. quantity - Cargo: 400 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes





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Danger releasing substance: glyphosate-monoammonium salt

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

**Identified uses**

No	Short title	SU main	SU	PC	PROC	ERC	AC	Specification
1	Herbicide	-	-	-	-	-	-	

SU main: Main user groups

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)