



**SAFETY DATA SHEET**

According to Regulation (EC) No 1907/2006 (REACH) and Commission Regulation (EU) No 453/2010

**SULFOSULFURON 75 WG**

Ref. SUL75WGCLP/EU/000gb

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**  
Sulfosulfuron, 750 g/kg water dispersible granule  
GIFAP code: WG  
EC number: not applicable

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Herbicide (agricultural use)  
Not for public use

**1.3. Details of the supplier of the safety data sheet**  
SUMITOMO CHEMICAL AGRO EUROPE S.A.S.  
Parc d'Affaires de Crécy  
10A, rue de la Voie Lactée  
69370 Saint-Didier-au-Mont-d'Or  
France  
Tel.: +33 (0) 478 64 32 60  
email: [sds@sumitomo-chem.fr](mailto:sds@sumitomo-chem.fr)

**New Emergency Tel no 24/24hrs:**  
Europe +44 (0) 1235 239 670  
Middle East & Africa +44 (0) 1235 239 671

**1.4. Emergency Telephone number 24/24hrs**  
Europe +44 (0) 1235 239 670  
Middle East & Africa +44 (0) 1235 239 671

**2. HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classified as hazardous according to regulation (EC) No 1272/2008 (CLP)

**Signal word(s)** Warning

**Pictogram (s)**



**Aquatic Acute Cat 1**  
**Aquatic Chronic Cat 1**

**Hazard statement(s)**  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Signal word(s)** Warning

**Pictogram (s)**



**Aquatic Chronic Cat 1**

**Hazard statement(s)**  
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**  
P391: Collect spillage.

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P501: Dispose of contents/container in accordance with local regulation.  
EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

**Special risks and safety precautions (Commission Regulation (EU) 547/2011):****General provisions**

SP 1: Do not contaminate water with the product or its container (Do not clean application equipment near surface water).

**Specific safety precautions**

SPe 3: To protect aquatic organisms respect an unsprayed buffer zone of (as indicated on the label) to surface water bodies.

**2.3. Other hazards**

none known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2. This product is to be considered as a mixture in conformance to EU regulations.****Composition/Information on hazardous ingredients**

Number	% w/w	CAS number	Chemical name
1	75	141776-32-1	1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a]pyridine-3-ylsulfonyl)urea
2	>1 - <3	73665-22-2	C6-10 Alkylether sulfate, sodium salt

Number	EC number	Annex-1 listing	Regl 1272/2008 Pict.	Hazard statements
1	/	yes	GHS09	H400, H410
2	/	NA	GHS05	H315, H318

**Other information**

Code ID: MON37503

**4. FIRST AID MEASURES****4.1. Description of first aid measures****General**

In all cases of doubt, seek medical attention.

**Inhalation**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin**

Remove contaminated clothing. Wash skin immediately with water.

**Eye**

Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

**Ingestion**

Rinse mouth. Never induce vomiting in unconscious or confused persons. Seek medical advice.

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

Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.

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

Symptomatic treatment is advised.

**5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media**

Dry chemical powder, carbon dioxide, foam, sand, water.

**Unsuitable extinguishing media**

none known

**5.2. Special hazards arising from the substance or mixture**May emit toxic gases under fire conditions (carbon monoxide (CO), ammonia (NH<sub>3</sub>), nitrogen oxides (NO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>) and hydrogen cyanide (HCN))**5.3. Advice for fire-fighters**

Wear self contained breathing apparatus. Wear suitable protective clothing and eye/face protection.

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**Other information** Water used to extinguish a fire should not be allowed to enter the drainage system or water courses.

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**6. ACCIDENTAL RELEASE MEASURES**

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

**For non-emergency personnel** Do not breathe dust. Wear protective gloves, safety goggles or face shield, and suitable protective clothing.  
Remove of ignition sources.  
Evacuate the danger area.

**For emergency responders** Do not breathe dust. Wear protective gloves (nitrile), safety goggles or face shield, and suitable protective clothing.  
Remove of ignition sources.  
Evacuate the danger area or consult an expert.

**6.2. Environmental precautions** Do not allow to escape into sewage system or water courses. Do not wash residues into drains or other waterways.

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

**Containment of a spill** Do not allow to escape into sewage system or water courses.

**Clean-up procedures** Clean up spills immediately. Sweep up and place into sealable containers. Dig up heavily contaminated soil and place into drums. Use a damp cloth to clean floors and other objects, and also place in sealable container. Dispose of all waste and contaminated clothing in the same manner as waste chemicals (i.e. via an authorized disposal facility). Do not wash residues into drains or other waterways.

**6.4. Reference to other sections** For personal protection see section 8.

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**7. HANDLING AND STORAGE**

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**7.1. Precautions for safe handling** The usual precautions for handling chemicals should be observed. For personal protection see section 8.

**Fire and explosion prevention** May form explosive dust cloud.

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

**Storage requirements** Store in a dry and cool place. Keep container in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Do not drink, eat and smoke in work areas.

**Other information** Do not mix with water (except for the normal preparation).

**7.3. Specific end use(s)** see label on the container.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**8.1. Control parameters**

There is no European exposure limit for this product.  
No chemical safety report is required for this kind of product.

**8.2. Exposure controls**

**Appropriate engineering controls** Provide adequate ventilation.

**Individual protection measures**

**Respiratory** In case of dust formation, use dust mask.

**Hand** Wear protective gloves of nitrile

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Eye	Wear safety goggles or face shield.
Skin and body	Wear suitable protective clothing.
Other information	Launder clothes before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Name</b>	<b><i>Sulfosulfuron, 750 g/kg water dispersible granule</i></b>
<b>Appearance</b>	granules (Visual assessment)
<b>Dust content</b>	"nearly dust free" (0.2 mg dust/30 g product, CIPAC MT 171) Attrition resistance = 99.6% (CIPAC MT 171)
<b>Colour</b>	ivory cream (visual assessment)
<b>Odour</b>	no specific odour (olfactory assessment)
<b>Odour threshold</b>	not determined
<b>pH value</b>	5.50 (1% dispersion, 20°C) (CIPAC MT 75.2)
<b>Melting point/freezing point</b>	not determined
<b>Initial boiling point &amp; boiling range</b>	not applicable
<b>Flash point</b>	not applicable
<b>Evaporation rate</b>	not applicable
<b>Flammability</b>	not flammable (EEC A.10)
<b>Upper/lower flammability or explosive limits</b>	not determined
<b>Vapour pressure</b>	not determined
<b>Vapour density</b>	not applicable
<b>Relative density</b>	not applicable
<b>Bulk density</b>	Loose: 0.550 g/ml Tap: 0.571 g/ml (CIPAC MT 186)
<b>Solubility in water</b>	dispersible in water (solubility of sulfosulfuron : 18 mg/l (pH 5), 1627 mg/l (pH 7), 482 mg/l (pH 9); 20°C, OECD 105)
<b>Solubility in other solvents</b>	not applicable
<b>Partition coefficient n-octanol/water</b>	not determined (sulfosulfuron: log Pow 0.73 (pH 5) to 1.44 (pH 9) (25°C, OECD 107)
<b>Autoignition temperature</b>	not auto flammable up to 400°C (EEC A.16)
<b>Decomposition temperature</b>	not determined
<b>Dynamic viscosity</b>	not applicable
<b>Kinematic viscosity</b>	not applicable
<b>Explosive properties</b>	not explosive (statement)
<b>Oxidising properties</b>	not oxidising (statement)
<b>9.2. Other information</b>	
<b>Relative vapour density (air = 1)</b>	not applicable
<b>Surface tension</b>	not applicable

**10. STABILITY AND REACTIVITY**

<b>10.1. Reactivity</b>	Stable under recommended storage and handling conditions (see also section 7).
<b>10.2. Chemical stability</b>	Stable for a minimum of 2 years under recommended storage and handling conditions (see section 7).
<b>10.3. Possibility of hazardous reactions</b>	None known.
<b>10.4. Conditions to avoid</b>	Avoid high temperature, light, humidity.

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**10.5. Incompatible materials** Strong oxidising agents, alkaline materials.**10.6. Hazardous decomposition products**May emit toxic gases under fire conditions (carbon monoxide (CO), ammonia (NH<sub>3</sub>), nitrogen oxides (NO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>) and hydrogen cyanide (HCN)).

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**11. TOXICOLOGICAL INFORMATION**

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**11.1. Information on toxicological effects****Name** *Sulfosulfuron, 750 g/kg water dispersible granule***Acute toxicity****Oral** LD50 mice: >2000 mg/kg (OECD 201)

The following data are applicable to a close formulation:

**Name** *Sulfosulfuron, 800 g/kg water dispersible granule (Code ID: MON37588)***Acute toxicity****Oral** LD50 rat: >5000 mg/kg (EPA FIFRA 81-1)**Dermal** LD50 rat: >5000 mg/kg (EPA FIFRA 81-2)**Inhalation** LC50 rat (4 hours): > 3.2 mg/l (nose only; maximum feasible concentration) (EPA FIFRA 81-3)**Irritation****Skin** weakly irritating (EPA FIFRA 81-5)**Eye** weakly irritating (EPA FIFRA 81-4)**Sensitization**

not sensitizing (Maximisation test) (EPA FIFRA 81-6)

The following data are applicable to ingredient(s) listed below:

**Name** *Active substance Sulfosulfuron, technical grade:***Other toxicological information:**

- Acute neurotoxicity : NOAEL = 2000 mg/kg bw/day (US EPA 81-8)

- Genotoxicity: negative in all tests (EPA 84-2, Ames test)

- Multigeneration reproduction study (rat): negative (OECD 416).

- Teratogenicity: negative (EPA FIFRA 83-3).

- Carcinogenicity (rats, mice): negative. (EPA FIFRA 83-5, 83-2)

- 90d-neurotoxicity: NOAEL = 1211 mg/kg bw/day (US EPA 81-8)

Based on the available data, no classification criteria are met for any of these hazard classes.

**Information on likely routes of exposure**

This product is for agricultural use; therefore the most probable routes of exposure are via skin or inhalation.

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**12. ECOLOGICAL INFORMATION**

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**12.1. Toxicity**

No experimental ecological data are available on the preparation as such. The following data are applicable to a close formulation:

**Name** *Sulfosulfuron, 750 g/kg water dispersible granule (Code ID: MON37532)***Fish** Acute toxicity, 96h-LC50 (*Oncorhynchus mykiss*): > 97 mg formulation/l (OECD 203)**Daphnia** Acute toxicity, 48h-EC50 (*Daphnia magna*): >101 mg formulation/l (OECD 202)

The following data are applicable to a close formulation :

**Name** *Sulfosulfuron, 800 g/kg water dispersible granule (Code ID: MON37504)***Algae** Acute toxicity, (*Selenastrum capricornutum*):72h-EC<sub>50</sub> = 225 µg a.s/l ; 282 µg formulation/l72h-EC<sub>10</sub> = 57 µg a.s/l ; 71.4 µg formulation/l

72h-NOECr = 18 µg a.s/l ; 22.6 µg formulation/l

72h-NOECb: &lt;18 µg a.s/l ; &lt;22.6 µg formulation/l (OECD 201)

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<b>Aquatic plant</b>	Acute toxicity, 7d ( <i>Lemna gibba</i> ): 7d-E <sub>r</sub> C50: >1.7 µg a.s/l ; > 2.1 µg formulation/l 7d-E <sub>b</sub> C50 = 0.88 µg a.s/l ; 1.1 µg formulation/l 7d-NOECr&b = 0.22 µg a.s/l ; 0.27 µg formulation/l OECD 221
<b>Bees</b>	Acute oral toxicity, 48h-LD50 ( <i>Apis mellifera</i> ): > 104 µg a.s/bee (OECD 213) Acute contact toxicity, 48h-LD50 ( <i>Apis mellifera</i> ): > 100 µg a.s/bee (OECD 214)
<b>Earthworm</b>	Chronic toxicity, 56d-NOEC ( <i>Eisenia foetida</i> ): 100 mg a.s/kg soil dw (OECD 222)
<b>Soil micro organisms</b>	No significant impact on carbon mineralization or nitrogen transformation at up to 0.133 mg a.s/kg dry soil (OECD 216, 217)

The following data are applicable to ingredient(s) listed below:

<b>Name</b>	<b>Active substance Sulfosulfuron, technical grade</b>
<b>Fish</b>	Chronic toxicity, fish early life stage, 87d ( <i>Oncorhynchus mykiss</i> ): NOEC = 100 mg/l (FIFRA 72-4)
<b>Daphnia</b>	Chronic toxicity, 21d-NOEC ( <i>Daphnia magna</i> ): 102 mg/l (OECD 202)
<b>Birds</b>	Acute toxicity, single dose oral LD50 (FIFRA 71-1) Bobwhite quail: > 2250 mg/kg Mallard duck: > 2250 mg/kg
<b>Earthworm</b>	Acute toxicity, 14d-LC50 ( <i>Eisenia foetida</i> ): > 848 mg/kg soil dw (OECD 207)

**12.2. Persistence and degradability**

The following data are applicable to ingredient(s) listed below:

<b>Name</b>	<b>Active substance Sulfosulfuron, technical grade</b>
<b>Degradation Biotic</b>	considered as not readily biodegradable
<b>Degradation Abiotic</b>	Hydrolysis (OECD 111) DT50 at pH 4 = 7 days (25°C) DT50 at pH 5, 7, 9: stable (25°C)

**12.3. Bioaccumulative potential**

The following data are applicable to ingredient(s) listed below:

<b>Name</b>	<b>Active substance Sulfosulfuron, technical grade</b>
<b>Bioaccumulation</b>	Partition coefficient n-octanol/water log Pow = 0.73 (pH 5) to 1.44 (pH 9) (25°C, OECD 107) Bio Concentration Factor (BCF): not required (log Pow < 3)

**12.4. Mobility in soil**

The following data are applicable to ingredient(s) listed below:

<b>Name</b>	<b>Active substance Sulfosulfuron, technical grade</b>
	Adsorption K <sub>Foc</sub> values: 5.3 - 89 ml/g (mean 33.2); 5 soils, 25°C Desorption K <sub>Foc-des</sub> -values :66-630 ml/g (mean 399) Therefore the substance has high to very high mobility (OECD 106).

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

not required (no chemical safety report required).

**12.6. Other adverse effects**

no other known adverse effects on the environment.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1. Waste treatment methods**

<b>Substance and/or Mixture</b>	According to local regulations. For further advice contact manufacturer.
<b>Contaminated packaging</b>	According to local regulations.

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**14. TRANSPORT INFORMATION**

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Land transport ADR/RID, Sea transport IMO/IMDG, Air transport ICAO-TI/IATA-DGR:

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<b>14.1. UN Number</b>	3077
<b>14.2. UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sulfosulfuron)
<b>14.3. Transport hazard class(es)</b>	Land transport ADR/RID class: 9 label: 9 IMO/IMDG code class: 9 Air transport ICAO-TI/IATA-DGR class: 9
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	Marine pollutant: yes
<b>14.6. Special precautions for user</b>	EMS: F-A, S-F no other special precaution required.
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the ICB Code</b>	not applicable

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**15. REGULATORY INFORMATION**

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

There is no specific regulation/legislation for this mixture.

**15.2. Chemical safety assessment**

No chemical safety assessment is required for this mixture.

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**16. OTHER INFORMATION**

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**Method for evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 used for the purpose of classification:**

Classification based on tests, on close formulations and the properties of the active substance.

**Changes made to the previous version: /****Full text of hazard statement(s) used in this document:**

H315: Causes skin irritation.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

This information only concerns the above mentioned product for the specific use mentioned and is not valid for such product used in combination with any other product. The information is to our best knowledge correct and complete and is given in good faith as of the date indicated. It is the user's responsibility to use this information as appropriate for his own particular use of this product.