

MATERIAL SAFETY DATA SHEET

compliant with requirements of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning REACH (OJ of the EU L 396), with later amendments



Rimsulfuron TC

Compiled: 31.07.2012

Revised: 09.03.2020

Version: 2.1

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

1.1. Product identifier

Rimsulfuron TC

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

Active substance of a herbicide. Is not to be used otherwise than as an active substance in plant protection products.

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer: PUH CHEMIROL Sp. z o.o.

address: 3 Przemysłowa St., 88-300 Mogilno, Poland

VAT Reg. No.: PL 557-15-89-655

phone: +48 52 318 8800

e-mail: RD@chemirol.com.pl

Person responsible for the Safety Data Sheet: RD@chemirol.com.pl

1.4. Emergency telephone number in Poland

Toxicological centers:

Gdańsk (58) 682 04 04 Kraków (12) 411 99 99 Lublin (81) 740 89 83 Łódź (42) 657 99 00	Poznań (61) 847 69 46 Rzeszów (17) 866 40 25 Sosnowiec (32) 266 11 45 Tarnów (14) 631 54 09	Warszawa (22) 619 66 54 Wrocław (71) 343 30 08
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Section 2. HAZARDS IDENTIFICATION

The substance is classified as dangerous in accordance with applicable regulations.

2.1. Classification of the substance

According to Directive 1272/2008

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

2.2. Label elements

According to Directive 1272/2008



Warning

Hazard statements:

H400 – Very toxic to aquatic life.

H410 – Very toxic to aquatic life with long lasting effects

Precautionary statements:

P273 – Avoid release to the environment.

P391 – Collect spillage.

P501 – Dispose of contents/container as hazardous waste.

2.3. Other hazards

Other hazards are not identified.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Chemical name	Index No.	CAS No.	EC No.	Content [% m/m]	CLP Classification
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Rimsulfuron IUPAC: 1-(4,6-dimethoxy- pyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea	-	122931-48-0	-	≥ 96 %	Aquatic Acute 1 H400; Aquatic Chronic 1 H410
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Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations:

Avoid contamination of skin, eyes and clothing. In case of exposure immediately remove all contaminated clothing. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Procedure in case of:

- inhalation: move the victim to fresh air. If necessary administer oxygen or apply artificial respiration. In case of a severe poisoning seek medical advice.
- skin contact: wash immediately with plenty of water and soap.
- eye contact: wash immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists – contact a specialist.
- ingestion: do not induce vomiting unless specifically advised by a doctor. Wash mouth with water. Do not administer anything orally if the victim is unconscious.

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

The substance is characterized by low acute toxicity. There are no reported cases of poisoning.

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

Antidote: none.

Treat symptomatically.

Section 5. FIREFIGHTING MEASURES

General recommendations:

Remove from the area all unauthorized personnel and persons not participating in elimination of the fire. Eliminate sources of ignition, do not smoke. If necessary call the Fire Service.

5.1. Extinguishing media

Appropriate media:

Foam, dry chemicals, carbon dioxide; if necessary use water spray.

Unsuitable media:

High-volume water jet.

5.2. Special hazards arising from the substance

During fire dangerous gases may be evolved: carbon oxides, nitrogen oxides. Exposure to products of combustion may be a health hazard. Do not breathe fumes, gases or vapor.

5.3. Advice for firefighters

Use full protective clothing and a self-contained breathing apparatus. Isolate the exposed area. Isolate the water used for elimination of fire, do not allow it to enter sewers.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective measures – protective clothing, protective gloves. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not empty into drains. Do not allow the substance to enter sewers, ditches or waterways. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

In case of spillage collect immediately by vacuum or wet-sweep and place in appropriate waste container. For proper cleanup wash the spillage area with plenty of water.

6.4. Reference to other sections

Dispose of in accordance with recommendation listed in Section 13 of the Safety Data Sheet.

During cleanup use personal protective measures as indicated in Section 8.

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Follow the Occupational Safety and Health rules and regulations on handling chemicals. Use personal protective measures listed in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Store only in original containers, tightly closed in a dry, well-ventilated place at temperature not lower than 0 °C and not exceeding 30 °C. Store in a place inaccessible to unauthorized personnel. Keep away from children and animals. Do not store with food, drink or animal foodstuffs. Store away from heat and hot surfaces.

7.3. Specific end use(s)

None

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit of the substance:

Rimsulfuron 8 h TWA: 5 mg/m³

8.2. Exposure controls

Personal protective measures:

- Eye / face protection: tight goggles or face shield
- Skin protection: protective gloves recommended for handling chemicals
- Respiratory protection: no specific recommendations; avoid breathing vapor; in case of insufficient ventilation wear breathing masks with appropriate filters or a self-contained breathing apparatus
- Thermal hazards: not presents

Wash hands before every break and after work.

Work only in well-ventilated rooms.

Avoid contact with skin and eyes.

Environmental exposure controls:

Do not empty into drains.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	white crystalline powder
Odor:	slightly perceptible
Odor threshold:	not determined
pH of 1% aqueous suspension:	not determined
Melting/Freezing point:	melting point: 176-178 °C
Initial boiling point and boiling range:	not determined
Flash point:	not determined
Evaporation rate:	not determined
Flammability:	none
Upper/lower flammability or explosive limits:	not applicable
Vapor pressure:	8.9 x 10 ⁻⁷ Pa (20 °C)
Vapor density:	not determined
Relative density:	1.5032 ± 0.0016 (20° C)
Solubility:	7.8 g/L (pH 7)
Partition coefficient: n-octanol/water:	0.034 (pH 7)
Auto-ignition temperature:	not determined
Decomposition temperature:	> 174 °C
Viscosity:	not applicable
Explosive properties:	none
Oxidizing properties:	none

9.2. Other information

No other information applicable.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity

No reactivity under normal handling and storage conditions.

10.2. Chemical stability

Stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions, including hazardous polymerization, do not take place.

10.4. Conditions to avoid

Avoid temperatures beyond the recommended storage range. Protect from direct sunlight.

10.5. Incompatible materials

Incompatible materials are not identified.

10.6. Hazardous decomposition products

Not determined. Hazardous products of thermal decomposition are described in Section 5.

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

- oral (rat):	LD ₅₀ > 5000 mg/kg bw
- dermal (rat):	LD ₅₀ > 2000 mg/kg bw
- inhalation (rat):	LC ₅₀ /4 h > 5.4 mg/L

Irritation:

- eyes:	not irritant
- skin:	not irritant

Sensitization:

- skin:	not sensitizing
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Caustic effect: the product is not corrosive.

Sensitization: the product is not sensitizing.

Carcinogenicity: the product is not carcinogenicity.

Mutagenicity: the product is not mutagenic.

Reproductive toxicity: the product don't have harmful effect on reproduction.

Operation target organ toxicity - single exposure:

It is unlikely that the product under normal conditions of use and handling of him, causing harmful effects.

Operation target organ toxicity - repeated exposure:

It is unlikely that the product under normal conditions of use and handling of him, causing harmful effects.

Information on likely routes of exposure - WARNING! The product is not fully explored!

Skin absorption: may be harmful if absorbed through the skin

Skin contact : may cause irritation, skin sensitization

Eye contact: may cause irritation of the eyes

Inhalation: may cause irritation by inhalation

Ingestion: may be harmful if swallowed

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity for water organisms:

- rainbow trout (<i>O. mykiss</i> Walb.):	LC ₅₀ /96 h > 390 mg/L
- daphnia (<i>D. magna</i> Straus):	EC ₅₀ /48 h > 360 mg/L
- algae (<i>S. capricornutum</i> Prinz):	EC ₅₀ /72 h (biomass) = 1.2 mg/L
- aquatic plant (<i>L. minor</i> L.):	EC ₅₀ /14 d (fronds) = 0.0046 mg/L

12.2. Persistence and degradability

DT_{50 field} = 6-18 d – moderately persistent in soil.

12.3. Bioaccumulative potential

BCF not determined – does not exhibit bioaccumulative potential.

12.4. Mobility in soil

K_{oc} = 19-63 L/kg – highly mobile in soil.

12.5. Results of PBT and vPvB assessment

The substance is not included in the ECHA candidate list of PBT or vPvB substances.

12.6. Other adverse effects

Information pointing to other adverse effects of the substance is not available.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methodsDisposal of product waste:

Do not empty into drains. Do not contaminate surface waters (ponds, water ways, ditches). Dispose of as hazardous material.

European Waste Code: 02 01 08 Agrochemical waste containing dangerous substances, including plant protection products of I and II toxicity class (very toxic and toxic).

Disposal of containers:

Dispose of as hazardous material.

Section 14. TRANSPORT INFORMATION

Land transport ADR/RID:

14.1. UN number: no data available

14.2. UN proper shipping name: no data available

14.3. Transport hazard class(es): no data available

14.4. Packaging group: no data available

14.5. Environmental hazards: no data available

14.6. Special precautions for user: no data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: no data available

Section 15. REGULATORY INFORMATION

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

- REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ of the EU L 396), with later changes
- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ of the EU L 353), with later changes
- COUNCIL DIRECTIVE 67/548/EEC of 27 June 1967 on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances (OJ of the EC L 196), with later changes
- BILL on chemical substances and mixtures (J. of L. 2011 No. 63, item 322), with later changes
- REGULATION of the Minister of Health of 10 August 2012 concerning criteria and methods of classification of chemical substances and mixtures (J. of L. 2012 No. 175, item 1018), with later changes
- The European AGREEMENT concerning the International Carriage of Dangerous Goods by Road (ADR), version in force since 01.01.2007
- BILL of 11 May 2001 on packaging and packaging waste (J. of L. 2001 No. 63, item 638), with later changes
- REGULATION of the Minister of Environment of 27 September 2001 concerning waste catalogue (J. of L. 2001 No. 112, item 1206), with later changes
- REGULATION of the Minister of Labor and Social Policy of 31 May 2003 concerning basic requirements for personal protective equipment (J. of L. 2003 No. 80, item 725), with later changes
- REGULATION of the Minister of Labor and Social Policy of 26 September 1997 concerning general regulations on occupational safety and health (J. of L. 1997 No. 129, item 844), with later changes

15.2. Chemical safety assessment

It is not required.

Section 16. OTHER INFORMATION

Changes introduced at revision of the Safety Data Sheet:

Section 15 – update of legislation.

Sources of data for preparation of the Safety Data Sheet:

This document is prepared according to results of tests and information on the substance available at EU level.

Data included in this Safety Data Sheet is based on current knowledge and applies to the product in its formulation of use. This information is intended exclusively as guidance on safe handling, transport, use, storage and waste disposal and is not to be identified with a warranty or a quality certificate. The user is responsible for consequences resulting from inadequate use of information presented in this Safety Data Sheet or from inappropriate use of this product.