

SAFETY DATA SHEET

Relva Granules

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name of the substance: Relva Granules
Code:16744 PPPR / PCS 04924
Formulation type: GR (granule)
Concentration: 40 g/kg
Active substance: propyzamide
IUPAC-name: 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide
Identification number: CAS 23950-58-5
RRN:No registration number is available for this substance, in accordance with the provisions of Article 15 of Regulation (EC) No 1907/2006

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

identified uses: herbicide for professional use

1.3 Details of the supplier of the safety data sheet

Belcrop NV
Tiensestraat 300
3400 Landen
Belgium

Tel.: +32 11 59 83 60
Fax: +32 11 59 83 61



Direct contact person:
John Hudson
21 Victoria Road
Wargrave
Berkshire RG10 8AD
United Kingdom
Direct telephone number +44 118 940 4264
or +44 7860 137 600
Email: info@belcrop.be

1.4 Emergency telephone number

Please call the local emergency number
Emergency number in Belgium (24h/24, 7d/7): +32 11 69 79 80

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Carc. 1B, Aquatic Chronic 2
H351, H411

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc. Cat. 3, N
R40, R51/53

For full text of R-phrases and/or Hazard-statements see section 16.

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

Hazard pictogram



Signal word

Warning

hazard statement

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long lasting effects.

EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

precautionary statement

P201: Obtain special instructions before use.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

P391: Collect spillage.

P501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards

The active substance does not fulfill the criteria of a persistent, bioaccumulative and toxic (PBT) substance, nor of a very persistent and very bioaccumulative (vPvB) substance, as outlined in Annex XIII of Regulation (EC) No 1907/2006.

Section 3 : Composition/information on ingredients

3.2 Mixtures

Name	Identification number	RRN	% (% by weight)	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No 1272/2008
propyzamide	CAS 23950-58-5	not available	40 g/kg	Carc. Cat. 3, N R40, R50/53	Carc. 2, Aquatic Acute 1, Aquatic Chronic 1 H351, H400, H410
methanol	CAS 67-56-1	not available	< 0,015% w/w	F, T R11, R23/24/25, R39/23/24/25	Flam. Liq. 2, Acute Tox. 3, STOT SE 1 H225, H301, H311, H331, H370
Calcium carbonate	CAS 471-34-1	not available	> 92% w/w	-	-

For full text of R-phrases and/or Hazard-statements see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

If INHALED:

Fresh air, rest. In case of symptoms, seek medical attention and show the label or packaging.

In case of contact with SKIN:

Rinse the skin with plenty of water or take a shower for 15 minutes. Meanwhile, remove contaminated clothing and shoes. In case of symptoms, seek medical attention and show the label or packaging.

In case of contact with EYES:

Rinse thoroughly with water for 10 minutes. Rinse AWAY from the non-affected eye. If wearing contact lenses: if easy to remove, first remove the lenses, then rinse. Consult a doctor and show the label or packaging.

If SWALLOWED:

Rinse the mouth. Call the poison center and ask whether drinking of a solution of activated charcoal in water is recommended. Consult a doctor immediately and show the label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician:

Prehospital: symptomatic treatment.

Contact the local poison center (see section 1.4) for further treatment in the hospital.

Section 5 : Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: chemical powder, water spray, CO₂, polyvalent foam.

Unsuitable extinguishing media: Water with full jet

5.2 Special hazards arising from the substance or mixture

The product contains flammable organic substances. In case of a fire, a thick black smoke containing hazardous products of combustion will be generated (see section 10).

Exposure to decomposition products can be harmful to one's health.

5.3 Advice for fire-fighters

Self-contained breathing apparatus and full protective clothing (boots, overall, gloves, eye and face protection). Avoid discharge of extinguish water into sewer or watercourse.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See section 8

6.2 Environmental precautions

Prevent the product from entering into soil, sewers, surface or ground water. If necessary, isolate the contaminated area. First remove spillage and accidental leaks (see section 6.3). Then rinse the contaminated area with water. Do not allow residues to enter into sewer and surface water. Dispose contaminated water according to local legislation. Inform the authorities if product pollutes the environment.

6.3 Methods and material for containment and cleaning up

6.3.1 Containment of a spill

If applicable, cover spillage with absorbing material (sand, clay, diatomite, universal binders, absorbing grain).

6.3.2 Clean-up of a spill

Spills shall be contained by means of absorbent material and a shovel. The collected products shall be disposed of in re-usable barrels or barrels for waste removal. As soon as the substance has been removed, thoroughly clean up the floor and any object that has been in contact with the substance in compliance with the environmental prescriptions.

6.3.3 Additional information

No additional information

6.4 Reference to other sections

See section 1 contact information

See section 7 for handling and storage

See section 8 for exposure controls/ personal protection

See section 13 for disposal considerations

Section 7 : Handling and storage

7.1 Precautions for safe handling

7.1.1 Protective measurements

Work under local exhaust/ventilation. Observe normal industrial and hygiene standards. Wear personnel protective clothing. Avoid contact with skin and eyes. Avoid forming of aerosol or dust. Wash hands after use. Do not discharge product into sewer. Keep away from source of ignition.

Dust can form an explosive mixture with air. Avoid dust formation. Prevent electrostatic charge.

7.1.2 Advice on general occupational hygiene

When using, do not eat, drink or smoke. Clean used material. Wash hands after each use.

Wash contaminated clothing after use. Remove contaminated clothing and protective equipment before entering eating areas

7.2 Conditions for safe storage, including any incompatibilities

Store in closed packaging in a dry, well ventilated area. Store in original packaging. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. See also section 10.

7.3 Specific end use(s)

See section 1.2.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limit values

- Calcium carbonate (CAS471-34-1):
Limit values (8 h):
 - 10 mg/m³ (inhalable fraction)
 - 4 mg/m³ (respirable fraction)
- Methanol (CAS67-56-1):
Limit values (8 h):
 - UK: 266 mg/m³

- Ireland: 260 mg/m³
- Limit values (short term):
- UK: 333 mg/m³

8.1.2 Information on currently recommended monitoring procedures

Not known

8.2 Exposure controls

8.2.1 Appropriate engineering controls

See section 7 and 8.1.1.

8.2.2 Individual protection measures, such as personal protective equipment

8.2.2.1 Eye / face protection

Wear safety goggles, with side-protection.

8.2.2.2 Skin protection

8.2.2.2.1 Hand protection

Wear chemical protective gloves (EN374).

8.2.2.2.2 other

Wear suitable work clothes. (Coverall with full body protection)

8.2.2.3 Respiratory protection

Use always in a well ventilated area.

Only if applicable:

Gas, vapours: gas filter: semi-facial mask with ABEK filter.

Dust, mist, fumes: dust mask : P2FFP2

8.2.3 Environmental exposure controls

See section 6: Accidental release measures

See section 7: storage and handling

See section 13: Disposal considerations

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Endpoint (unit)
a) Appearance	sand colour granular formulation
b) Odour	slight musty odour
c) Odour threshold	no data available
d) pH	8.6 (1% dilution)
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	not relevant
g) Flash point	not relevant
h) Evaporation rate	no data available
i) Flammability (solid, gas)	not highly flammable
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.5 g/ml (bulk density)
n) Solubility(ies)	no data available
o) Partition coefficient: n-octanol/water	log Pow = 3.0 (active substance (technical))

p) Auto-ignition temperature	not auto flammable below 400 °C
q) Decomposition temperature	no data available
r) Viscosity	not relevant
s) Explosive properties	no explosive properties
t) Oxidising properties.	no oxidising properties

9.2 Other information

No additional information

Section 10 : Stability and reactivity

10.1 Reactivity

Stable under normal conditions of handling and storage.

10.2 Chemical stability

Stable under normal environmental temperatures (between 0°C and 40°C). See also section 7.2.

10.3 Possibility of hazardous reactions

No specific data known.

10.4 Conditions to avoid

No specific data known.

10.5 Incompatible materials

No specific data known.

10.6 Hazardous decomposition products

Combustion or thermal decomposition produces toxic and irritating vapours. See section 5.2

Section 11 : Toxicological information

11.1 Information on toxicological effects

	endpoint	duration	species	tested on
a) acute toxicity	oral: LD50 > 5000 mg/kg bw	single dose	rat	active substance (technical)
	dermal: LD50 > 2000 mg/kg bw	24 h exposure	rat	active substance (technical)
	inhalation: LC50 > 2.1 mg/l air	4 h exposure	rat	active substance (technical)
b) skin corrosion/irritation	slightly irritating	4 h exposure	rabbit	active substance (technical)
c) serious eye damage/irritation	not irritating	single dose	rabbit	active substance (technical)
d) respiratory or skin sensitization	non-sensitiser	M&K	guinea pig	active substance (technical)
e) germ cell mutagenicity	no genotoxic potential		multiple in vitro and in vivo test systems	active substance (technical)
f) carcinogenicity	NOAEL = 2.0 mg/kg bw/day	2 year	mouse	active substance (technical)
g) reproductive toxicity	NOAEL/NOEL = 17 mg/kg bw/day	multigeneration study	rat	active substance (technical)
h) STOT-single exposure	no data available			
i) STOT-repeated	no data available			

exposure				
j) aspiration hazard	no data available			

Section 12 : Ecological information

12.1 Toxicity

	endpoint	duration	species	tested on
Acute toxicity fish	LC50 > 4.7 mg/l	96h	<i>Oncorhynchus mykiss</i>	active substance (technical)
Acute toxicity invertebrates	EC50 > 5.6 mg/l	48h	<i>Daphnia magna</i>	active substance (technical)
Algae	EC50 = 0.83 mg/l	120h	<i>S. capricornutum</i>	active substance (technical)
Aquatic plants	NOEC = 0.56 mg/l	14 d	<i>lemna sp.</i>	active substance (technical)

12.2 Persistence and degradability

DT50 (soil): 18.2-85 days (active substance (technical))

DT50 (water): 24 days (active substance(technical))

12.3 Bioaccumulative potential

log Pow = 3.0 (active substance (technical))

BCF (earthworm/soil, fw/fw) = 2.9 (active substance (technical))

12.4 Mobility in soil

Koc = 548 - 1340 l/kg (active substance (technical))

12.5 Results of PBT and vPvB assessment

The active substance does not fulfill the criteria of a persistent, bioaccumulative and toxic (PBT) substance, nor of a very persistent and very bioaccumulative (vPvB) substance, as outlined in Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects

/

Section 13 : Disposal considerations




13.1 Waste treatment methods

Product waste: prevent spreading. To be disposed of in compliance with local and national prescriptions.

Polluted packages: Do not re-use empty packages. If required, rinse 3 times. To be disposed of in compliance with local and national prescriptions.

Section 14: Transport information

	ADR classification	IMDG classification	IATA classification
14.1 UN number	3077	3077	3077
14.2 UN proper shipping	environmentally hazardous substance,	environmentally hazardous substance,	environmentally hazardous substance,

name	solid, N.O.S. (propyzamide)	solid, N.O.S. (propyzamide)	solid, N.O.S. (propyzamide)
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	yes	yes	yes
14.6 Special precautions for user	<p><u>Symbols:</u></p>  <p>Tunnel code: E</p>	<p><u>Symbols:</u></p> 	<p><u>Symbols:</u></p> 
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for road transport	Not applicable (not transported as bulk)	Not applicable for air transport

Section 15 : Regulatory information

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

SEVESO:

- SEVESO category: E2
- Named dangerous substances: /

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16 : Other information

Relevant H-phrases / R-phrases

R40: Limited evidence of a carcinogenic effect.

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

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long lasting effects.

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

H370: Causes damage to organs.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

List of abbreviations and acronyms

RRN: REACH registration number

Changes to the previous version of safety data sheet.

/

The information presented in this SDS is based on the current knowledge of the product and is derived from the existing literature. It is given in good faith and it only illustrates the aspect of security. This SDS is in addition with our information relating to the use of the formulation but in no case replaces it.

The users must be aware of the necessary precautions to take at the time of use or handling of this product. Consequently, the company can in, no case, be held responsible for damage which results, directly or indirectly, from the use of these data.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, Regulation (EU) No 453/2010 and Regulation (EU) No 2015/830.