



**SAFETY DATA SHEET**

**SPEEDY 240 SC**

SDS/ISR/GHS/V1.0

Issue date: 31.01.2023

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

**Product identifiers**

Product name: SPEEDY 240 SC  
Chemical name: contains Spirodiclofen  
CAS number: 148477-71-8

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

Identified uses: Insecticide (Acaricide) for agricultural use

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

Supplier: Almandine Corporation SA  
Gotthardstrasse 3  
6300 Zug  
Switzerland  
Tel: +44 20 8995 8391 (UK office)  
Email: [almuk@almandine.com](mailto:almuk@almandine.com)  
Formulator: Chromos Agro d.d.  
Radnicka Cesta 173n, Zagreb,  
Croatia

**Emergency telephone number**

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri only, UK)

**SECTION 2: HAZARDS IDENTIFICATION**

Carc 1B  
Repr 2  
STOT-RE 2  
Aq. chronic 1

**Classification and Label Elements:**

Pictogram(s):



Signal word: Danger

**Hazard statement(s):**

H350: May cause cancer  
H361f: Suspected of damaging fertility  
H373: May cause damage to organs through prolonged or repeated exposure  
H410: Very toxic to aquatic life with long-lasting effects

**Precautionary statement(s):**

P260: Do not breathe mist/vapours/spray  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P318: IF exposed or concerned, get medical advice  
P319: Get medical help if you feel unwell  
P391: Collect spillage.  
P501: Dispose of content/container in accordance with local/national regulations

**Other Hazard(s):**

Contains Spirodiclofen and 1,2 benzisothiazolin-3-one, may cause an allergic skin reaction.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS Number	Conc. (g/L)	Signal word	H-Statements
Spirodiclofen	148477-71-8	240	Danger	H317, H350, H361f, H373, H410
Ethoxylated polyaryl phenol	99734-09-5	<100	-	H412
1,2-BIT (20% solution)	2634-33-5	<0.5	Danger	H314, H317

**SECTION 4: FIRST AID MEASURES**

If poisoning occurs, immediately contact a doctor or a Poisons Helpline and follow the advice given. Show this product label or the Safety Data to the doctor.

**IF SWALLOWED:** Seek medical attention. DO NOT induce vomiting. Never give anything by mouth to an unconscious person

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Keep warm and at rest. Seek medical attention.

**ON SKIN CONTACT:** Remove immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water to minimize product contact with skin. Wash contaminated clothing before wearing again. If concerned: Seek medical attention.

**IF IN EYES:** Rinse gently with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Seek medical attention.

**Medical Advice:** Treat symptomatically. No specific antidote. Gastric lavage is not normally required; for ingestion of a significant amount (more than a mouthful) administer activated charcoal and sodium sulphate.

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing media:** Carbon dioxide  
Dry powder  
Dry sand  
Water spray  
Foam

**Unsuitable Extinguishing media:** High volume water jet

**Special hazards arising from the substance or mixture**

Hazardous combustion products: Product itself is not combustible (Product contains water)

**Advice for fire-fighters:** In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit

**Further Information:** Containers exposed to heat (fire) may build up pressure. Use water spray to cool containers.



Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Ensure suitable personal protection during removal of spillages (see section 8). Stop spills if safe to do so.
- Environmental precautions:** Do not flush into water sources, drains or sewage systems. If product enters sewage or contaminates water sources, inform the relevant authorities.
- Clean up methods:** Absorb spill with a non-combustible absorbent material, such as sand, earth or diatomaceous earth. Shovel into well labelled, sealed, suitable containers.  
For large spills it may be necessary to dyke spill area to prevent contamination of drains and waterways.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling:

- Advice on Safe handling:** For professional use only.  
Use only in well-ventilated areas
- Advice on protection against fire and explosion:**  
Not flammable under normal conditions of use. The product does not sustain combustion.
- Hygiene measures:** Avoid contact with eyes and skin.  
Avoid breathing vapour or spray or aerosol.  
Take off contaminated clothing and shoes immediately.  
Wash contaminated clothing before re-use.  
Do not eat, drink or smoke while working.  
Keep away from food, drink and animal feeding stuffs.  
Wash hands and face before breaks and when workday is finished.

### Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers:**  
Store in the closed original container, in a cool, dry, well-ventilated area, away from direct sunlight. Protect from frost.
- Keep original containers, tightly closed, out of sight and reach of children.
- Incompatibilities:** Incompatible with acids and bases.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure limits:** No occupational OELs exist for this product.
- Engineering controls:** Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.
- Personal protective equipment:** Wear face shield or goggles with chemical splash protection (EN 166).



Email: almch@almandine.com

Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots (EN 373).

Wear elbow length chemical resistant nitrile or neoprene rubber gloves (EN 374).

If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours (EN 143).

After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

Do not re-enter treated areas without protective clothing until spray residue has dried.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

a) Appearance:	White to beige liquid
b) Odour:	Weak, mild
c) Odour threshold:	none set
d) Melting point/freezing point:	not determined
e) Boiling point/boiling range:	Not determined
f) Flammability (solid/gas):	not flammable
g) Upper/lower flammability or explosive limits:	n/a
h) Flash point:	>100°C
i) Auto-ignition temperature:	not determined
j) Decomposition temperature:	not determined
k) pH:	6.0 - 9.0 (1% solution)
l) Kinematic Viscosity:	not determined
m) Solubility:	0.05 mg/L (water, 20°C; tech.)
n) Partition coefficient:	Log P <sub>ow</sub> 5.83 (tech.)
o) Vapour pressure:	3.0 x 10 <sup>-04</sup> mPa (tech.)
p) Relative density:	1.055 – 1.095 g/mL (at 20°C)
q) Vapour density:	2.00 x 10 <sup>-2</sup> Pa m <sup>3</sup> mol <sup>-1</sup> (tech.)
r) Particle Characteristics:	Not determined
s) Explosive properties:	Not explosive
t) Oxidising properties:	Not an oxidiser

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Corrosion to metals: Corrosive effects to metal are not anticipated.
<b>Chemical stability</b>	The product is stable if stored and handled as prescribed/indicated.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to instructions. Hazardous polymerisation will not occur.
<b>Conditions to avoid</b>	Direct sunlight/UV exposure. Avoid heat sources and extreme temperatures.
<b>Incompatible materials</b>	Strong oxidisers, alkalis.
<b>Hazardous decomposition Products:</b>	Does not decompose at ambient temperature. Combustion or thermal decomposition will evolve toxic and irritant vapours.



## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Oral toxicity:</b>	LD <sub>50</sub> rat:	>2000 mg/kg
<b>Dermal toxicity:</b>	LD <sub>50</sub> rat:	>2000 mg/kg
<b>Inhalation toxicity:</b>	LC <sub>50</sub> 4h rat	>1.14 mg/L (highest attainable concentration)
<b>Skin irritation:</b>		Non-irritating
<b>Eye irritation:</b>		Non-irritating
<b>Skin sensitisation:</b>		Not a skin sensitiser

(Based on internal study data)

### Chronic Effects

<b>Germ cell mutagenicity:</b>	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
<b>Carcinogenicity:</b>	May cause cancer based on animal test data.
<b>Reproductive toxicity:</b>	Suspected of damaging fertility
<b>Chronic toxicity:</b>	May cause damage to organs over prolonged or repeated exposure.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**  
(Spirodiclofen technical)

<b>Bird toxicity:</b>	LD <sub>50</sub> Bobwhite quail	>2000 mg/kg
<b>Fish toxicity:</b>	LC <sub>50</sub> 96 h rainbow trout	>0.035 mg/L
	NOEC 97 d rainbow trout	0.00195 mg/L
<b>Daphnia toxicity:</b>	EC <sub>50</sub> 48 h <i>Daphnia magna</i>	>0.0508 mg/L
	NOEC 21 d <i>Daphnia magna</i>	0.0248 mg/L
<b>Algal toxicity:</b>	EC <sub>50</sub> 96 h <i>Pseudokirchneriella subcapita</i>	>0.0292 mg/L

Virtually non-toxic to bees

### Persistence and Biodegradability

**Bioaccumulation:** Does not bioaccumulate  
**Stability in water:** Moderately persistent  
**Stability in soil:** Non-persistent  
**Mobility in soil:** Immobile in soil

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product:</b>	Dispose of waste product through an official waste contractor. Obtain advice from local waste regulation authority.
<b>Contaminated packaging:</b>	Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank. Do not let contaminated water enter surface or ground water systems. Do not dispose of undiluted chemicals on-site. Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.



**SECTION 14: TRANSPORTATION INFORMATION**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	UN 3082		
<b>UN Proper Shipping Name</b>	Environmentally hazardous substance, liquid, N.O.S. (Contains Spirodiclofen)		
<b>Transport Hazard Class</b>	9	9	9
<b>Packaging Group</b>	III	III	III
<b>Environmental Hazard</b>	Yes	Marine Pollutant	Yes

When shipped in single or inner packaging not exceeding 5 LTS or 5 kg, SP A197 (IATA) or SP 375 (ADR/RID) will apply.

When shipped by sea (IMDG) the following clause applies:

**Exemption under IMDG clause 2.10.2.7** Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**SECTION 15: REGULATORY INFORMATION**

No additional regulatory information required for this product

**SECTION 16: OTHER INFORMATION**

**Full H-Statements:**

<b>H314</b>	Causes severe skin burns and eye damage
<b>H317</b>	May cause an allergic skin reaction
<b>H350</b>	May cause cancer
<b>H361f</b>	Suspected of damaging fertility
<b>H373</b>	Causes damage to organs through prolonged or repeated exposure
<b>H410</b>	Very toxic to aquatic life with long-lasting effects
<b>H412</b>	Harmful to aquatic life with long-lasting effects

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet, since the customer's treatment of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate tests that the product is suitable for its intended use.

Sections 9, 11 and 12 based on available EU and own data  
Self-classification of mixture.  
SDS version: 1.0  
Previous version: none  
Changes to sections from previous version: n/a