

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name SOLO 500SC
Use Agricultural Herbicide
Formulation Suspension concentrate
Supplier: Sipcam UK Limited, 4C Archway House, Melbourn Street, Royston SG8 7BX.
Emergency No 01763 212100.
For ROI only: In the event of an emergency, call the National Poisons Centre, Beaumont Hospital at 01 809 2566 or 01 837 9964

2. HAZARDS IDENTIFICATION

Classification of mixture according to Regulation (EC) Number 1272/2008

WARNING



VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Additional information For the wording of risk and safety phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	CAS/EINECS	R Phrases	%
Diflufenican	83164-33-4 / 616-032-0	Aquatic chronic 3, H412	41.73%
Sulphonated aromatic polymer sodium salt	426833-38-7	Skin irrit. 2H315, Eye irrit. 2 H319	2.0%
1,2-benzisothiazolin-3-one	2634-33-5 / 220-120-9	Skin corr 1B, H314, Skin sens 1,H317 Aquatic acute 1, H400	0.1%

Additional information For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

General information:

Show this safety data sheet to the doctor. Immediately remove soiled clothing
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing:

In case of persistent symptoms consult doctor.

Information for doctor:

Treat symptomatically.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents

CO₂, extinguishing powder or water jet.

Fight larger fires with water jet.

Special hazards arising from the substance or mixture

Carbon monoxide, nitrogen oxides, hydrogen fluoride can be released. Avoid breathing smoke & fumes.

Protective equipment:

Do not inhale explosion or combustion gases. Put on breathing apparatus & protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

See section 8.

Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Keep dirty washing water for appropriate disposal.

Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Reference to other sections:

See Section 7 for safe handling, 8 for personal protection equipment, 13 for disposal information

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed..

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values to be monitored

Personal protective equipment

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Do not eat or drink while working.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Protection of hands:

Protective gloves.

Eye protection:

Tightly sealed safety glasses

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Melting point or range:

Not determined

Viscosity:

1500 cps

Form: Liquid suspension

Boiling point or range:

Not determined

Surface tension:

34.2mN/m @25°C

Colour: Light ivory

Flash point:

Not applicable

Odour: Characteristic

Self-Inflammability:

Solubility / Miscibility (water):

	Not self igniting	Fully miscible in water
pH-value at 20°C: 9 @ 20°C	Danger of explosion: Product is not explosive.	Density: 1.198 g/cm ³ @ 20°C

10. REACTIVITY AND STABILITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: None in standard storage conditions

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

Skin Irritation: No irritant effect

Eye Irritation : No irritant effect.

Sensitisation: No Sensitizing effect.

12. ECOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:

Aquatic toxicity

EC 50: 0.0011(0-72h) mg/l (algae)

LC 50: >59.5 (48h) mg/l (*daphnia magna*)

LC 50: >75 (96h) mg/l (rainbow trout)

Persistence and degradability:

No further relevant information available.

Assessment biodegradation & elimination (H2O):

Not readily biodegradable (by OECD criteria)

PBT: Not applicable **vPvB:** Not applicable

13. DISPOSAL

Waste or used preparation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Use specialist waste contractor in accordance with local regulations.

Disposal of packaging: Use specialist waste contractor in accordance with local regulations.

14. TRANSPORT

UN-Number (ADR, IMDG, IATA) 3082

Proper shipping name(ADR/RID, IMDG,ICAO/ IATA)

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflufenican (ISO))

Hazard class (ADR,IMDG, IATA): 9, Miscellaneous

Packing group (ADR, IMDG, IATA): III

Marine pollutant: Symbol (fish and tree)

Hazard label: 9

15. REGULATORY INFORMATION

Hazard-determining components of labelling: DIFLUFENICAN

Precautionary (P) statements:

P261 Avoid breathing spray

P273 Avoid release to the environment

P280 Wear gloves, protective clothing and eye/face protection

P285 In case of inadequate ventilation wear respiratory protection

P391 Collect spillage

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

SP1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads)

16. OTHER INFORMATION

R Phrases referenced in section 3:

H314 Causes severe skin burns and eye damage
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects

Prepared by Sipcarn UK Ltd to the best of our current knowledge and information:

No responsibility is accepted that the information will be sufficient or correct in all cases.

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