

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.

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-Flammability:

Not self igniting

Solubility / Miscibility (water):

Fully miscible in water

pH-value at 20°C: 9 @ 20°C

Danger of explosion:

Density: 1.198 g/cm³ @ 20°C

	Product is not explosive.	
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 (<i>daphnia magna</i>)
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 Sipcam 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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