

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

**Product name** Gorgon  
**Use** Agricultural Herbicide  
**Formulation** Suspension concentrate (SC)  
**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



HARMFUL IF SWALLOWED

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE

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 No.	R Phrases	% w/w
Flufenacet	142459-58-3	Acute tox 4, H302, Skin sens. 1, H317; STOT RE 2 H373  Aquatic 1, H410	48%
Propylene glycol	57-55-6	none	5-10%
Sodium alkylnaphthalene sulphonate, formaldehyde condensate	Not available	skin irrit. 2, H315, Eye irrit, 2, H319	2-5%

**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  
Remove to fresh air and keep at rest. Do not allow smoking or eating. Take off all contaminated clothing

### 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:

If swallowed, DO NOT INDUCE VOMITING: seek medical advice immediately and show this container or label. Remove any residues from mouth and rinse it with plenty of water.

### Information for doctor:

Treat symptomatically.

### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No further relevant information available.

<b>5. FIRE FIGHTING MEASURES</b>		
<b>Suitable extinguishing agents</b> CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. <b>Special hazards arising from the substance or mixture</b> Carbon monoxide, nitrogen oxides, can be released. Avoid breathing smoke & fumes. <b>Protective equipment:</b> Do not inhale explosion or combustion gases. Put on breathing apparatus & protective clothing.		
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
<b>Personal precautions, protective equipment and emergency procedures:</b> See section 8. <b>Environmental precautions:</b> Do not allow to enter drainage system, surface or ground water. Keep dirty washing water for appropriate disposal. <b>Methods and material for containment and cleaning up:</b> Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Collect mechanically.. <b>Reference to other sections:</b> See Section 7 for safe handling, 8 for personal protection equipment, 13 for disposal information		
<b>7. HANDLING AND STORAGE</b>		
<b>Precautions for safe handling:</b> Keep away from heat and direct sunlight. Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace. Open and handle container with care. <b>Information about protection against explosions and fires:</b> Keep ignition sources away. Do not smoke. Flammable mixtures may be formed in empty containers. <b>Conditions for safe storage, including any incompatibilities:</b> <b>Storage requirements to be met by storerooms and containers:</b> Store in a cool location. Store only in original container. <b>Information about storage in one common storage facility:</b> Not required. <b>Further information about storage conditions:</b> Keep container tightly sealed. Protect from frost.		
<b>8. EXPOSURE CONTROL / PERSONAL PROTECTION</b>		
<b>Components with limit values that require monitoring at the workplace:</b>		
No relevant information available		
<b>Personal protective equipment</b> 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. Avoid contact with eyes and skin. <b>Breathing equipment:</b> 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.		
<b>Protection of hands:</b> Protective gloves.	<b>Eye protection:</b> Tightly sealed safety glasses	<b>Body protection:</b> Protective work clothing.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
<b>Appearance:</b>	<b>Melting point or range:</b> Not determined	<b>Viscosity:</b> 131 mPas
<b>Form:</b> Liquid	<b>Boiling point or range:</b>	<b>Surface tension:</b>

	approx. 100°C	33.0mN/m @25°C
<b>Colour:</b> Off-white/light brown	<b>Flash point:</b> Not applicable	
<b>Odour:</b> Mild paraffinic	<b>Self-Inflammability:</b> Not self igniting	<b>Solubility / Miscibility (water):</b> Completely miscible in water
<b>pH-value at 20°C:</b> 8.0 @ 22°C	<b>Danger of explosion:</b> Product is not explosive.	<b>Density:</b> 1.185 g/cm <sup>3</sup> @ 20°C

## 10. REACTIVITY AND STABILITY

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. Stable when stored in original container under normal conditions of storage and use  
**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 300-2,000 mg/kg (rat)	Dermal LD50 >2,000 mg/kg (rat)	Inhalation: >2.95 mg/l
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**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: (formulated product)

#### Aquatic toxicity

EC 50: 0.0138 (0-72h) mg/l (algae)	LC 50: 70.2 (48h) mg/l ( <i>daphnia magna</i> )
LC 50: 33.9 (96h) mg/l (rainbow trout)	

#### Persistence and degradability:

Moderately persistent (based on active substance).

#### Assessment biodegradation & elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria)

**PBT:** No                    **vPvB:** No

## 13. DISPOSAL

**Waste or used preparation:** 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. (Flufenacet (ISO))  
**Hazard class (ADR,IMDG, IATA):**                    9, Miscellaneous  
**Packing group (ADR, IMDG, IATA):**                    III  
**Marine pollutant:**    Yes

## 15. REGULATORY INFORMATION

**Hazard-determining components of labelling:**    FLUFENACET

### Precautionary (P) statements:

P260	Do not breathe spray
P280	Wear gloves, protective clothing and eye/face protection
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell.
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:**

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure.
H317	May cause an allergic skin reaction.
H410	Very toxic 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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