

## Safety Data Sheet

Revision date: 17-February-2003

replaces all previous editions

# GESATOP

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY OR UNDERTAKING

#### Identification of the Substance or Preparation

Tradename GESATOP  
 Design Code A3796J  
 AGI Code 133086 / 11697

#### Company Identification

Company Syngenta Crop Protection UK Ltd  
 Whittlesford, CAMBRIDGE, CB2 4QT  
 Phone (01223) 833621  
 Fax (01223) 493700  
 Website www.syngenta-crop.co.uk  
 Emergency Phone +44 (0) 1484 538444 (24h)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Chemical characteristic

Formulation type Suspension concentrate (= flowable concentrate)  
 Use Herbicide  
 Active ingredient(s) 50 % w/v simazine G27692

#### Hazardous Component(s)

CAS	Product Denomination	% w/w	Hazard symbols	Risk phrases (R)
122-34-9	simazine	43.5	N, Xn	40-50/53
27323-41-7	benzenesulphonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)	2.52	Xi	36/38
137-20-2	ethanesulphonic acid, 2-[methyl(1-oxo-9-octadecenyl)amino]-, sodium salt, (Z)-	1.0	Xi	36
2634-33-5	1,2-benzisothiazolin-3-one	0.09	Xn	22-43-36/38

### 3. HAZARDS IDENTIFICATION

**Health Hazards:** Harmful: limited evidence of carcinogenic effect, see section 11. May cause sensitisation by skin contact.

**Environmental hazard in case of accident (Spillage/Leakage):** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. FIRST-AID MEASURES

### First-Aid Measures

**General:** Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling. **IN CASE OF SUSPECTED POISONING:** Immediately call a physician.

**Eye Contact:** Rinse eyes with clean water for several minutes.

**Ingestion:** Repeatedly administer medicinal charcoal in a large quantity of water. **NOTE:** Never give anything by mouth to an unconscious person. Do not induce vomiting.

**Skin Contact:** Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

**Inhalation:** Immediately remove to fresh air.

### Medical Instructions

**Antidote:** No specific antidote is known! Apply symptomatic therapy.

**Experiences Specific to Man:** No case of human poisoning is on record.

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## 5. FIRE-FIGHTING MEASURES

**Combustibility:** no

### Extinguishing media

**Suitable Extinguishing Media:** Dry chemical extinguisher, foam, or carbon dioxide.

### Fire fighting

**Special Hazards during Fire Fighting:** Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

**Protective Equipment for Fire Fighting:** Use self contained breathing apparatus. Wear protective equipment.

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## 6. ACCIDENTAL RELEASE MEASURES

**Environmental Protection Measures following Accidents:** Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. and dispose of in an incinerator approved for chemicals. Collect material in specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers.

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## 7. HANDLING AND STORAGE

### Handling information

**General:** Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like splashproof filling and measuring equipment (including vapour stripping), further personal protection measures may have to be implemented to avoid possible contact with the product.

### Storage information

**Special Instructions for Storage:** Store the product in closed original containers. Protect from light.

**Storage Compatibility with other Products:** Store separately from feed, food and stimulants.

### Storage Temperature

**Maximum Storage Temperature:** 35 °C

**Minimum Storage Temperature:** 0 °C

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

**In General:** Change working clothes daily.

**Breathing Protection:** In case of heavy exposure, wear: Gas mask.

**Eye Protection:** Goggles

**Hand Protection:** Gloves

**Body Protection:** Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).

**Precautionary measures after work:** Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Colour:</b>	white to tan	
<b>Physical State/Form:</b>	liquid	
<b>Solidification Point:</b>	< 0 °C	
<b>Boiling Point:</b>	> 90 °C	
<b>Flash-Point:</b>	>= 90 °C	EEC A 9
<b>Explosive Properties</b>		EEC A 14
<b>Assessment:</b>	not explosive	
<b>Shock Sensitivity:</b>	not shock sensitive	
<b>Density:</b>	1.13 - 1.17 g/cm <sup>3</sup> (20 °C)	OECD 109
<b>pH Value:</b>	5 - 9 (1 %; in deionised water)	CIPAC MT 75.2
<b>Surface Tension:</b>	52.6 - 59.6 mN/m (0.1 g/l; Suspension in distilled water; 20 °C)	OECD 115
<b>Miscibility with water:</b>	miscible	

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## 10. STABILITY AND REACTIVITY

### Chemical Stability

**Assessment:** Stable under standard conditions.

### Sensitivity

**Sensitivity to humidity:** Not sensitive to humidity.

**Thermal Sensitivity:** Thermally not sensitive.

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b>		OECD 401
<b>LD50:</b>	> 3000 mg/kg (rat)	
<b>Acute Dermal Toxicity</b>		OECD 402
<b>LD50:</b>	> 4000 mg/kg (rat)	
<b>Acute Skin Irritation:</b>	non irritant (rabbit)	OECD 404
<b>Acute Eye Irritation:</b>	non irritant (rabbit)	OECD 405
<b>Skin Sensitisation:</b>	not sensitising (guinea pig)	OECD 406
<b>Additional Toxicological Information:</b>	These findings in the Sprague-Dawley rat do not appear to be of relevance to humans. After chronic oral administration of high doses of simazine an increased incidence of mammary tumours was observed in Sprague-Dawley rats, but not in other strains of rats or in mice.	

## 12. ECOLOGICAL INFORMATION

<b>Acute Toxicity to Fish</b>		OECD 203
<b>LC50:</b>	> 63.9 mg/l (Salmo trutta (trout); 96 h)	
<b>Acute Toxicity to Fish</b>		OECD 203
<b>LC50:</b>	> 55.3 mg/l (bluegill; 96 h)	
<b>Growth Inhibition, Algae</b>		OECD 201
<b>EC50:</b>	0.14 mg/l (Scenedesmus subspicatus (green algae); 0 - 72 h)	
<b>Toxicity to Aquatic Invertebrates</b>		OECD 202
<b>EC50:</b>	> 26 mg/l (Daphnia magna (water flea); 48 h)	

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## 13. DISPOSAL CONSIDERATIONS

### Disposal

**Product Disposal:** Pay attention to protective clothing and measures. Cover up product with absorbent material such as sand, soil, diatomaceous earth, etc. Collect material in specially marked, tightly closing containers. Treat contaminated surfaces with water. Collect washings in containers, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

**Container Disposal:** Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

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## 14. TRANSPORT INFORMATION

**Special Information:** Use unbreakable containers, make sure they cannot fall, and label in accordance with regulations.

<b>Rail / Road (RID / ADR)</b>	Class	UN number	Packaging Group	Kemmler Index
	9	3082	III	90
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.			
Additional Information	(SIMAZINE)			
<b>Sea (IMDG-Code)</b>	Not classified as dangerous good			
<b>Air (ICAO / IATA)</b>	Class	UN number	Packaging Group	
	9	3082	III	
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.			
Additional Information	(SIMAZINE)			

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## 15. REGULATORY INFORMATION

<b>Classifications / Hazard symbols:</b>	Xn N	<b>HARMFUL DANGEROUS FOR THE ENVIRONMENT</b>
<b>Risk phrases (R):</b>	40 43 50/53	Limited evidence of a carcinogenic effect May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Safety phrases (S):</b>	24 35 36/37 57	Avoid contact with skin. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves Use appropriate containment to avoid environmental contamination.
<b>International WHO Toxicity Classification</b>	III	Product unlikely to present acute hazard in normal use

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## 16. OTHER INFORMATION

Product registration number: MAFF 08412.

Based upon SDS release date 29-Oct-2001 with significant changes in sections 15 and 2 due to DPD update.

Always read the label. Use pesticides safely.

**The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.**

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