

**CDA\_VANQUISH SL120 4X5L BOT GB**Version 1 / GB  
102000022101/6  
Revision Date: 10.03.2008  
Print Date: 28.03.2008**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name CDA\_VANQUISH SL120 4X5L BOT GB  
Product code (UVP) 05932440  
Usage Herbicide  
Company Bayer Environmental Science  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
Great Britain

Telephone +44(0)1223 226500  
Telefax +44(0)1223 426240  
Responsible Department Email: ukinfo@bayercropscience.com

Emergency telephone number 0800-220876 (UK 24 hr)  
+44(0)1603-242424 (Overseas 24 hr)

**2. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

No particular hazards known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Soluble concentrate (SL)  
Glyphosate 120 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Glyphosate, isopropylamine salt	38641-94-0 254-056-8	N	R51/53	13.80
Surfactant			R53	> 1.00 - < 25.00

For the full text of the R phrases mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES****General advice**

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Inhalation**

Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.



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**Skin contact**

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

**Eye contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

**Ingestion**

Obtain medical attention. Do NOT induce vomiting. Rinse mouth. Keep at rest.

**Notes to Physician**

**Symptoms**

Local:, To date no symptoms are known.

**Symptoms**

Systemic:, eye and mucous membrane irritation, Salivation, Nausea, Vomiting, Diarrhoea

**Risks**

This product is not a cholinesterase inhibitor.

**Treatment**

Treat symptomatically.  
There is no specific antidote.

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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing media which should not be used for safety reasons**

High volume water jet

**Specific hazards during fire fighting**

Dangerous gases are evolved in the event of a fire.

**Special protective equipment for fire-fighters**

In the event of fire and/or explosion do not breathe fumes.  
In the event of fire, wear self-contained breathing apparatus.

**Further information**

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.  
Whenever possible, contain fire-fighting water by diking area with sand or earth.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Keep people away from and upwind of spill/leak.  
Avoid contact with spilled product or contaminated surfaces.  
When dealing with a spillage do not eat, drink or smoke.

**Environmental Precautions**

Do not allow to get into surface water, drains and ground water.  
If spillage enters drains leading to sewage works inform local water company immediately.  
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).



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### Methods for Cleaning Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Keep in suitable, closed containers for disposal.  
Clean floors and contaminated objects with plenty of water.

### Additional Advice

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.  
Check also for any local site procedures.

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## 7. HANDLING AND STORAGE

### Handling

#### Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.  
Use only in area provided with appropriate exhaust ventilation.

#### Advice on protection against fire and explosion

No special precautions required.

### Storage

#### Requirements for storage areas and containers

Store in a place accessible by authorized persons only.  
Keep away from direct sunlight.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Protect from freezing.

#### Storage stability

##### Other data

Storage temperature should ideally lie between 0 and 40 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

#### Respiratory Protection

No personal respiratory protective equipment normally required.  
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

#### Hand Protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination

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	outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
Hygiene measures	When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands immediately after work, if necessary take a shower.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Colour	yellow brownish
Odour	earthy

**Safety data**

pH	4.6 - 5.0 at 80 g/l
Density	approx. 1.06 g/cm <sup>3</sup> at 20 °C
Water solubility	miscible
Viscosity, dynamic	65 mPa.s
Other Information	The physico-chemical data refer to a similar formulation.

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**10. STABILITY AND REACTIVITY**

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

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**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) > 5,000 mg/kg
Acute Dermal Toxicity	LD50 (rat) > 5,000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)



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Sensitization Non-sensitizing. (guinea pig)  
OECD Test Guideline 406, Buehler test

Further information  
Information given is based on data obtained from similar substances.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to Fish	LC50 (Cyprinus carpio (Carp)) > 895 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 676 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Selenastrum capricornutum) 393 mg/l Exposure time: 72 h

### Further information on ecology

Additional ecological information  
Information given is based on data obtained from similar substances.

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## 13. DISPOSAL CONSIDERATIONS

### Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

### Contaminated packaging

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.

Return large containers to supplier.

Follow advice on product label and/or leaflet.

### Waste key for the unused product

020108 agrochemical waste containing dangerous substances

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## 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

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## 15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information



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### and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

#### Classification:

Hazard warning labelling not compulsory

#### Hazardous components which must be listed on the label:

- Glyphosate

#### Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

#### Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

## 16. OTHER INFORMATION

### Further information

Text of R phrases mentioned in Section 3:

- |        |   |
|--------|---|
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R53    | May cause long-term adverse effects in the aquatic environment.                             |

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.