

**NOCWEED SL312 4X5L JUG GB**Version 1 / GB
102000024321/8
Revision Date: 12.04.2006
Print Date: 21.06.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name NOCWEED SL312 4X5L JUG GB
Product code (UVP) 05937299
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
Emergency telephone number 0800-220876 (UK 24 hr)
+44(0)1603-242424 (Overseas 24 hr)

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Soluble concentrate (SL)
MCPA/CMPP-P/Dicamba 252:42:18 g/l

Hazardous components

| Chemical Name | CAS-No. / EINECS-No. | Symbol(s) | R-phrases(s) | Concentration [%] |
|--------------------------------|------------------------|-----------|------------------|-------------------|
| MCPA potassium/sodium salt 1:1 | 8015-56-3 | Xn | R20/21/22 | 25.00 |
| Mecoprop-P potassium salt | 66423-05-0 | Xn, N | R22, R41, R51/53 | 4.00 |
| Dicamba sodium salt | 1982-69-0 217-846-3 | | R52/53 | 2.00 |
| Sodium hydroxide | 1310-73-2 215-185-5 | C | R35 | <= 5.00 |
| Potassium hydroxide | 1310-58-3 215-181-3 | C | R22, R35 | <= 5.00 |

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

Harmful in contact with skin and if swallowed.
Risk of serious damage to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES



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Inhalation

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

Skin contact

Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact

Protect unharmed eye. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.

Ingestion

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

Notes to Physician

Symptoms

Local: severe irritation

Symptoms

Systemic: headache, vomiting, muscle twitching, lethargy, hypotonia, If large amounts are ingested, the following symptoms may occur: CNS depression, stupor, coma, respiratory failure

Treatment

Local treatment:
Elementary aid, decontamination and symptomatic treatment.

Treatment

Systemic treatment:
Monitoring of respiratory, cardiac, kidney, liver and central nervous system.
Observe specific parameters: blood pressure, levels of MCPA in plasma and urine, pH in urine.
Observe specific parameters: blood pressure, levels of mecoprop in plasma and urine, pH in urine.
If ingested, irrigate the stomach using activated charcoal in addition.
Artificial respiration and/or oxygen may be necessary.
Elimination by dialysis (forced alkaline diuresis).
Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
Recovery: spontaneous.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

water
dry powder
foam
carbon dioxide (CO₂)

Specific hazards during fire fighting

In the event of fire the following can be released:
carbon dioxide (CO₂)
carbon monoxide (CO)
Sulphur oxides
hydrogen chloride (HCl)

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.



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Wear full protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment.
Evacuate personnel to safe areas.

Environmental Precautions

Do not discharge into the drains/surface water/groundwater.
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).

Methods for Cleaning Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Advice on safe handling
Use only alkali-proof equipment.
Advice on protection against fire and explosion
No special precautions required.

Storage

Requirements for storage areas and containers
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.
Protect against frost.
Advice on common storage
Keep away from food, drink and animal feedingstuffs.
Suitable materials
polyethylene containers

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.

Engineering measures

See section 7; no measures exceeding those mentioned are necessary.

Personal protective equipment

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| 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 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. Wash hands before breaks and at the end of workday. |
| Protective measures | Avoid contact with skin and eyes. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

| | |
|--------|---------------|
| Form | liquid, clear |
| Colour | brown |
| Odour | phenolic |

Safety data

| | |
|--------------------|-------------------------------------|
| pH | 11.2 (undiluted) |
| pH | 8.9 at 1 % |
| Flash Point | does not flash |
| Density | ca. 1.14 g/cm ³ at 20 °C |
| Water Solubility | miscible |
| Viscosity, dynamic | 22.5 mPa.s at 20 °C |
| Surface tension | ca. 39 mN/m at 20 °C |

10. STABILITY AND REACTIVITY



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| Conditions to Avoid | Extremes of temperature and direct sunlight. |
| Materials to avoid | None. |
| Hazardous Reactions | Stable under recommended storage conditions. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------|--|
| Acute Oral Toxicity | LD50 (rat) 790 mg/kg The value mentioned relates to the active ingredient MCPA. |
| Acute Dermal Toxicity | LD50 (mouse) > 1,500 mg/kg The value mentioned relates to the active ingredient MCPA. |
| Skin Irritation | No skin irritation. (rabbit) The value mentioned relates to the active ingredient MCPA. |
| Eye Irritation | No eye irritation. (rabbit) The value mentioned relates to the active ingredient MCPA. |
| Further information | Information given is based on data on the components and the toxicology of similar products. |

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

| | |
|---------------------|---|
| Toxicity to Fish | LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 150 - 220 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient mecoprop. |
| Toxicity to Fish | LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 232 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient MCPA. |
| Toxicity to Fish | LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 135 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient dicamba. |
| Toxicity to daphnia | EC50 (Daphnia) > 100 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient mecoprop. |
| Toxicity to daphnia | EC50 (Water flea (<i>Daphnia magna</i>)) > 100 mg/l The value mentioned relates to the active ingredient MCPA. |
| Toxicity to daphnia | EC50 (Water flea (<i>Daphnia magna</i>)) 110 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient dicamba. |

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|-------------------|--|
| Toxicity to algae | EC50 (Pseudokirchneriella subcapitata) 270 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient mecoprop. |
| Toxicity to algae | EC50 (Selenastrum capricornutum) > 392 mg/l The value mentioned relates to the active ingredient MCPA. |
| Toxicity to algae | EC50 (Algae) 45 - 250 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient dicamba. |

13. DISPOSAL CONSIDERATIONS**Product**

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

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

14. TRANSPORT INFORMATION

| | |
|----------------------------------|---------------------|
| ADNR | Not dangerous goods |
| ADR | Not dangerous goods |
| GGVE | Not dangerous goods |
| GGVS | Not dangerous goods |
| IATA_C | Not dangerous goods |
| IATA_P | Not dangerous goods |
| IMDG | Not dangerous goods |
| RID | Not dangerous goods |
| UK 'Carriage' Regulations | Not dangerous goods |

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

Classification:

Labelling according to EEC Directive

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Hazardous components which must be listed on the label:

- MCPA potassium/sodium salt 1:1
- Mecoprop-P potassium salt
- Dicamba sodium salt

Symbol(s)

Xn Harmful

R-phrases)

R21/22 Harmful in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

CLASSIFICATION ACCORDING TO SPECIFIC UK REGULATIONS:

The labelling information below is that which has been approved under 'The Control of Pesticides Regulations 1986' and/or 'Part III of the Food and Environment Protection Act 1985' and/or 'Plant Protection Product Regulations 1999' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Symbol(s)

Xn Harmful

R-phrases)

R21/22 Harmful in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

S-phrases)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Exceptional labelling

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

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R35 Causes severe burns.

R41 Risk of serious damage to eyes.

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

R52/53 Harmful to aquatic organisms, 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.



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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.