

**BANLENE SUPER 21204 2X10L GB**Version 2 / GB
1020000024321/7
Revision Date: 05.04.2005
Print Date: 05.04.2005**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name BANLENE SUPER 21204 2X10L GB
Product code (UVP) 05937299
Product code AE F051834 01 SL31 A1
Specification 21204
Usage herbicide
Company Bayer CropScience Limited
Hauxton
Cambridge
Cambridgeshire CB2 5HU
Great Britain

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Telefax +44(0)1223 872142
Emergency telephone number 0800-220876 (UK only)
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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-phrase(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

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms persist, call a physician.

Skin contact

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

Eye contact

Immediately flush eye(s) with plenty of water. Protect unharmed eye. Call a physician 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.

Wear full protective suit.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment.
Evacuate personnel to safe areas.

Environmental Precautions

Keep people and animals away.
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
Have eyewash bottle in readiness.
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 Regulations 1999 as amended). Engineering controls should be used in preference to personal protective equipment wherever practicable.

Engineering measures

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

Personal protective equipment

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Respiratory Protection	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, Filter P2
Hand Protection	PVC disposable gloves nitrile rubber
Eye protection	Safety glasses / face shield
Skin and body protection	Light protective clothing, PVC
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	1.138 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

Hazardous Reactions	Stable under recommended storage conditions.
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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) 790 mg/kg The value mentioned relates to the active ingredient MCPA.
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Acute Dermal Toxicity	LD50 (mouse) > 1,500 mg/kg The value mentioned relates to the active ingredient MCPA.
Skin Irritation	non-irritant (rabbit) The value mentioned relates to the active ingredient MCPA.
Eye Irritation	non-irritant (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 daphnia	EC50 (<i>Daphnia</i>) > 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 algae	EC50 (<i>Pseudokirchneriella subcapitata</i>) 270 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient mecoprop.
Toxicity to algae	EC50 (<i>Selenastrum capricornutum</i>) > 392 mg/l The value mentioned relates to the active ingredient MCPA.

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
Can be landfilled or incinerated, when in compliance with local regulations.
Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as product waste.
Empty containers can be landfilled after cleaning, when in compliance with local regulations.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

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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

Classification according to 'The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004' and any subsequent amendments.

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.

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-phrase(s)

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-phrase(s)

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.



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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.

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.