



CRACKDOWN SC10 10X1L BOT GB

Version 3 / GB
102000002473

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Revision Date: 03.04.2006
Print Date: 14.06.2006

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

Product information

Trade name CRACKDOWN SC10 10X1L BOT GB
Product code (UVP) 05937760
Usage insecticide
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

Suspension concentrate (=flowable concentrate)(SC)
Deltamethrin 10 g/l

Hazardous components

| Chemical Name | CAS-No. / EINECS-No. | Symbol(s) | R-phrases(s) | Concentration [%] |
|-----------------|-------------------------|-----------|--------------------------------|-------------------|
| Deltamethrin | 52918-63-5 258-256-6 | T, N | R23/25, R50/53 | 0.99 |
| 1,2-Propanediol | 57-55-6 200-338-0 | | | > 5.00 - < 25.00 |
| Formaldehyde | 50-00-0 200-001-8 | T | R23/24/25, R34, R40, R43 | > 0.10 - < 1.00 |

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

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

4. FIRST AID MEASURES

General advice

Remove contaminated clothing immediately and dispose of safely.

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 immediately with soap and



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plenty of water. After skin contact: Apply Vitamin E cream or a simple body milk. If symptoms persist, call a physician.

Eye contact

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

Ingestion

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

Notes to Physician

Symptoms

Local: After skin contact: paresthesia (local)., The product causes irritation of eyes, skin and mucous membranes., Inhalation may provoke the following symptoms:., irritation, cough

Symptoms

Systemic:., excitement, gastrointestinal discomfort, tremors, Dizziness, headache, listlessness, nausea and vomiting, epigastric pain, muscular fasciculation of limbs, unconsciousness, convulsions and coma (very high doses).

Risks

This product contains a pyrethroid.
Must NOT be confused with organophosphorus compounds!

Treatment

Local treatment:
Initial treatment should be symptomatic and supportive.
After eye contact: Instillation of local anaesthetic drops e.g. 1% Amethocaine Hydrochloride eye drops. Give Analgesics as necessary.

Treatment

Systemic treatment:
Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.
Monitoring of respiratory and cardiac functions.
ECG - monitoring (Electrocardiogram).
Check for pulmonary oedema in event of inhalation.
Keep airway clear, administer artificial respiration if necessary.
Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
There is no specific antidote.
Contraindication: atropine.
Contraindication: derivatives of adrenaline.
Recovery: spontaneous.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

In case of fire the evolution of dangerous gases is possible.

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
Wear self contained breathing apparatus for fire fighting if necessary.



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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.

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 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

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).
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.

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

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

Storage stability

Storage temperature 0 - 30 °C

Suitable materials

HDPE (high density polyethylene)

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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.

Components with workplace control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|---|---------|---------------------------------------|--------|----------|
| 1,2-Propanediol (Particulate.) | 57-55-6 | 10 mg/m ³ (TWA) | 2005 | EH40 WEL |
| 1,2-Propanediol (Vapor and particulates.) | 57-55-6 | 474 mg/m ³ / 150 ppm (TWA) | 2005 | EH40 WEL |
| Formaldehyde | 50-00-0 | 2.5 mg/m ³ / 2 ppm (TWA) | 2005 | EH40 WEL |
| Formaldehyde | 50-00-0 | 2.5 mg/m ³ / 2 ppm (STEL) | 2005 | EH40 WEL |

Personal protective equipment

| | |
|--------------------------|---|
| 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. Remove soaked protective clothing immediately. Remove soiled clothing immediately. Clean hands and face at work intervals and after work. Work in an adequately ventilated room. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

| | |
|--------|--------------------------|
| Form | suspension |
| Colour | colourless to white |
| Odour | slight, product specific |



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Safety data

| | |
|---------|---|
| pH | 2 - 6 at 100 % (20 °C) Determined in the undiluted form. |
| Density | ca. 1.01 g/cm ³ at 20 °C |

10. STABILITY AND REACTIVITY

| | |
|---------------------|--|
| Conditions to Avoid | Extremes of temperature and direct sunlight. |
| Materials to avoid | None. |
| Hazardous Reactions | No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------|---|
| Acute Oral Toxicity | LD50 (rat) > 10,000 mg/kg |
| Acute Dermal Toxicity | LD50 (rat) > 10,000 mg/kg |
| Skin Irritation | No skin irritation. (rabbit) |
| Eye Irritation | Slight irritant effect - does not require labelling. (rabbit) |
| Sensitization | Non-sensitizing. (guinea pig) Information given is based on data on the components and the toxicology of similar products. |

Further information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae.
However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

| | |
|-----------------|--|
| Bioaccumulation | Bluegill sunfish Bioconcentration factor (BCF): 1,400 |
|-----------------|--|

Ecotoxicity effects

| | |
|---------------------|---|
| Toxicity to Fish | LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 0.00091 mg/l Exposure time: 96 h |
| Toxicity to daphnia | EC50 (Water flea (<i>Daphnia magna</i>)) 0.00056 mg/l Exposure time: 48 h |



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Toxicity to algae EC50 (Algae) > 9.1 mg/l
Exposure time: 96 h

Further information on ecology

Additional ecological information

The ecological data given are those of the active ingredient deltamethrin.

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

Hazardous components which must be listed on the label:

- Deltamethrin

R-phrases)

R52/53

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



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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:

| | |
|-----------|--|
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R23/25 | Toxic by inhalation and if swallowed. |
| R34 | Causes burns. |
| R40 | Limited evidence of a carcinogenic effect. |
| R43 | May cause sensitization by skin contact. |
| R50/53 | Very toxic 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.