

# Safety Data Sheet (SDS) SNIPER 200

According to UN GHS 8th Ed

Revision Date: 14/10/2022

Version: 1.1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

**Product identifier:**

**Identification as on the label/Trade name:** SNIPER 200

**Product name:** Cypermethrin 200 g/l EC

**Relevant identification uses of the substance and uses advised against:**

**Identified uses:** Insecticide

**Uses advised against:** Use only as directed.

**Details of the supplier of the Safety Data Sheet:**

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

**Details of the Registration Holder:**

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

**Contact Details:**

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

**Emergency telephone numbers:**

**24 Hour Emergency Number: Bateleur: +27 83 123 3911**

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

## SECTION 2. HAZARD IDENTIFICATION

**Classification of the substances or mixture**

**The mixture is classified according to Regulation (EC) No 1272/2008 EU-GHS/CLP**

Hazard classes/Hazard categories	Hazard statement
Flammable liquids, Category 3	H226
Acute toxicity (Inhalation), Category 4	H332
Acute toxicity (Oral), Category 5	H303
Acute toxicity (Dermal), Category 5	H313
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity — Single exposure, Category 3	H335/H336
Aspiration hazard, Category 1	H304
Specific target organ toxicity — Repeated exposure, Category 2	H373
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

**Full text of H statements : see section 16**

**The most important adverse effects**

**The most important adverse physiochemical effects:** None known

**The most important adverse human health effects:** May cause cancer and genetic defects.

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## Label elements


**Hazard pictograms:**
**Signal Word:** Danger

## Hazard Statements:

H226	Flammable liquid and vapour.
H332	Harmful if inhaled
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H340	May cause genetic defects
H350	May cause cancer
H335/H336	May cause respiratory irritation or may cause drowsiness/dizziness.
H304	May be fatal if swallowed and enters airways
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

## Precautionary Statements:

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273+P391	Avoid release to the environment if this is not the intended use and collect spillage.
P280	Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P312	Call a POISON CENTRE or doctor if you feel unwell.
P370+P378	In case of fire: Use media other than water to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up
P501	Dispose of content/container to suitable landfill in accordance with local regulations.

**Other hazards:** None known

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Ingredients:**

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008

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Aromatic hydrocarbons, C9	CAS-No.: 64742-95-6 EC-No.: 265-199-0	≥ 68.49	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Cypermethrin cis/trans 40:60	CAS-No.: 52315-07-8 EC-No.: 257-842-9	≥ 23.02	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=2500) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) STOT SE 3, H335 STOT RE 2, H373 Slight eye irritant Mild skin irritation Aquatic Acute 1, H400 (M=100000) Aquatic Chronic 1, H410 (M=100000)
Emulsifier A & Emulsifier B	/	8	Slight skin irritation Mild irritation (eye)

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4. FIRST AID MEASURES**
**Description of first aid measures:**

**In case of inhalation:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower.

**In case of eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

**In case of ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a POISON CENTER/doctor. Specific treatment (see supplemental first aid instruction on this label).

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/effects:** May cause genetic defects. May cause cancer. Causes damage to organs.

**Symptoms/effects after inhalation :** May cause respiratory irritation. May cause drowsiness or dizziness.

**Symptoms/effects after ingestion :** Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

**Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically and supportively

**SECTION 5. FIRE FIGHTING MEASURES**
**Extinguisher media:**

**Suitable extinguisher media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use high volume water jet, due to contamination risk.

**Special hazards arising from the mixture:**

Fire hazard: Flammable liquid and vapour.

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Explosion hazard: May form flammable/explosive vapour-air mixture.

**Advice for fire-fighters:**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6. ACCIDENTAL RELEASE

**Personal precautions, protective equipment, and emergency procedures:**

**Personal precautions:** Equip cleanup crew with proper protection

**For emergency responders:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent. Avoid contact with eyes and skin. Do not breathe in fumes. Refer to section 8 for recommended personal protective equipment. Evacuate unnecessary personnel.

**Emergency procedure:** Ventilate area.

**Environmental precautions:**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

**Methods for containment and cleaning up:**

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**Reference to other sections:**

See section 1 for emergency contact details

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

**Conditions for safe storage, including incompatibilities:**

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

**Incompatible products:** Strong bases. Strong acids.

**Incompatible materials:** Sources of ignition. Direct sunlight.

**Specific end uses:**

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:**

**Occupational exposure limits (OEL):** No information available.

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## Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

**Appropriate engineering controls:** No additional information available

**Hygiene measures:** Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Eye/face protection:** Chemical goggles or safety glasses

**Hand protection:** Wear protective gloves.

**Body protection:** Appropriate impervious clothing is required to prevent skin contact with the product.

**Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

**Environmental exposure controls:** Prevent product from entry into sewers and water courses

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Colour	clear. amber.
Appearance	liquid. Emulsifiable Concentrate.
Odour	aromatic organic hydrocarbons.
Odour threshold	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flammability	Flammable liquid and vapour.
Oxidising properties	Non oxidizing.
Explosive limits	Not available
Lower explosive limit (LEL)	Not available
Upper explosive limit (UEL)	Not available
Flash point	35 °C Flammable
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
pH solution	6-8 % Aqueous dilution
Viscosity, kinematic	Not available
Solubility	Forms emulsion in presence of water.
Partition coefficient n-octanol/water (Log	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	0.9 g/ml
Relative density	Not available
Relative vapour density at 20 °C	Not available
Particle size	Not applicable
Particle size distribution	Not applicable
Particle shape	Not applicable
Particle aspect ratio	Not applicable

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Particle aggregation state	Not applicable
Particle agglomeration state	Not applicable
Particle specific surface area	Not applicable
Particle dustiness	Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity:** None known

**Chemical stability:** Flammable liquid and vapour. May form flammable/explosive vapour-air mixture

**Possibility of hazardous reactions:** Not established

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

**Incompatible materials:** Strong acids. Strong bases.

**Hazardous decomposition products:** fume. Carbon monoxide. Carbon dioxide.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Toxicokinetics, metabolism and distribution:** No data available

**Information on toxicological effects:**

**Assessment of acute toxicity:**

The product has not been tested. The data reported is for the main ingredients in the mixture.

<b>Cypermethrin cis/trans 40:60 (52315-07-8)</b>	
<b>Acute toxicity:</b>	
LD50 oral rat	> 500 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 3.56 mg/l

<b>Aromatic hydrocarbons, C9 (64742-95-6)</b>	
<b>Acute toxicity:</b>	
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD
LC50 Inhalation - Rat	> 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403

Skin corrosion/irritation	Not classified.
Additional information	Causes skin irritation.
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Not classified
Additional information	Causes serious eye irritation.
	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	Not classified
Additional information	Based on available data, the classification criteria are not met
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.
Reproductive toxicity	Did not show reproductive effects in animal experiments
Aspiration	May be fatal if swallowed and enters airways
STOT- single exposure	May cause respiratory irritation.

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STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure
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Additional Information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12. ECOLOGICAL INFORMATION**
**Cypermethrin cis/trans 40:60 (52315-07-8)**

LC50 - Fish	0.48 µg/l (96h _ Rainbow trout)
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EC50 - Crustacea	0.15 µg/l
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**Aromatic hydrocarbons, C9 (64742-95-6)**

EC50 72h - Algae	0.42 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
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EC50 72h - Algae	0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
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**Cypermethrin EC**

Persistence and degradability	Biological degradation : Biological degradation is rapid, and therefore levels of cypermethrin and breakdown products in soil and surface water are very low. Persistence : Cypermethrin has amoderate persistence in the soil. Typical DT50 - 60 days. Soluble : Cypermethrin not soluble in water & strong tendency to adsorb to soil particles. Therefor unlikely to cause groundwater contamination. May cause long-term adverse effects in the environment.
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**SECTION 13. DISPOSAL CONSIDERATIONS**
**Waste treatment methods:**
**Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.**

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Additional information:** Handle empty containers with care because residual vapours are flammable.

**Ecology - waste materials:** Avoid release to the environment. Hazardous waste due to toxicity.

**SECTION 14. TRANSPORT INFORMATION**

UN Number	3351
UN proper shipping name	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE
Transport hazard class	6.1 (3)
Packaging group	III
Marine pollutant	Yes

**SECTION 15. REGULATORY INFORMATION**
**Safety, health, and environmental regulations/legislation for the mixture:**
**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

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**Relevant information regarding restrictions:****EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]**Other National regulations:**

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under it is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions

**Chemical Safety Assessment carried out? No****SECTION 16. OTHER INFORMATION****Indication of changes:**

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

GHS aligned – all sections

**Full text of H- statements:**

H332 Harmful if inhaled.

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin

H304 May be fatal if swallowed and enters airways

H335/H336 May cause respiratory irritation or May cause drowsiness/dizziness.

H340 May cause genetic defects.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Training instructions:**

Use as indicated on the label, special training may be required for application.

**Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.