## SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

| | |
|---|---|
| **Trade name** | Method® 240 SL Herbicide |
| **Product code (UVP)** | 84117099 |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| **Use** | Herbicide |
| **Restrictions on use** | See product label for restrictions. |

### 1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| **Supplier** | Bayer Cropscience Pty Ltd<br>ABN 87 000 226 022<br>Level 1, 8 Redfern Road<br>3123 Hawthorn East<br>Victoria<br>Australia |
| **Telephone** | (03) 9248 6888 |
| **Telefax** | (03) 9248 6800 |
| **Responsible Department** | 1800 804 479 Technical Information Service |
| **Website** | www.es.bayer.com.au |

### 1.4 Emergency telephone no.

| | |
|---|---|
| **Emergency telephone no.** | 1800 033 111 IXOM Operations Pty Ltd |

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification in accordance with Australian GHS Regulation**

Not classified, the classification criteria are not met.

### 2.2 Label elements

**Labelling according to specific Australian legislation**

No hazard label for supply/use required.

### 2.3 Other hazards

No additional hazards known beside those mentioned.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Soluble concentrate (SL)

| Chemical name | CAS-No. | Concentration [%] |
|---|---|---|
| Aminocyclopyrachlor | 858956-08-8 | 21.20 |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 | > 0.005 - < 0.05 |
| Other ingredients (non-hazardous) to 100% | | |

## SECTION 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.**

### 4.1 Description of first aid measures

**General advice** Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

**Inhalation** Move to fresh air. Keep patient warm and at rest. When symptoms persist or in all cases of doubt seek medical advice.

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

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, 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** Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms** To date no symptoms are known.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Treatment** Treat symptomatically. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable** Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

**Unsuitable** High volume water jet

| | |
|---|---|
| **5.2 Special hazards arising from the substance or mixture** | Dangerous gases are evolved in the event of a fire. |

**5.3 Advice for firefighters**

| | |
|---|---|
| **Special protective equipment for firefighters** | In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit. |
| **Further information** | Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. |

**Hazchem Code**Not applicable

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

| | |
|---|---|
| **Precautions** | Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. |
| **6.2 Environmental precautions** | Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label. |

**6.3 Methods and materials for containment and cleaning up**

| | |
|---|---|
| **Methods for cleaning up** | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. |
| **Additional advice** | If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants. Use personal protective equipment. |
| **6.4 Reference to other sections** | Information regarding safe handling, see section 7.<br>Information regarding personal protective equipment, see section 8.<br>Information regarding waste disposal, see section 13. |

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling**

| | |
|---|---|
| **Advice on safe handling** | Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation. |
| **Hygiene measures** | Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.<br>Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and |

water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

| | |
|---|---|
| **Requirements for storage areas and containers** | Store in original container. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. |

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters**

No known occupational limit values.

**8.2 Exposure controls**

**Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.
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**

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

| | |
|---|---|
| Material | Nitrile rubber |
| Rate of permeability | > 480 min |
| Glove thickness | > 0.4 mm |
| Protective index | Class 6 |
| Directive | Protective gloves complying with EN 374. |

**Eye protection**

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

**Skin and body protection**

Wear standard coveralls and Category 3 Type 6 suit.
If there is a risk of significant exposure, consider a higher protective type 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.

**Engineering Controls**

**Advice on safe handling**

Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Form** | Liquid, clear |
| **Colour** | brown |
| **Odour** | characteristic |
| **Odour Threshold** | No data available |
| **pH** | 6.9 (1 %) |
| **Melting point/range** | No data available |
| **Boiling Point** | No data available |
| **Flash point** | > 100 °C |
| **Flammability** | No data available |
| **Auto-ignition temperature** | No data available |
| **Thermal decomposition** | No data available |
| **Minimum ignition energy** | Not applicable |
| **Self-accelarating decomposition temperature (SADT)** | No data available |
| **Upper explosion limit** | No data available |
| **Lower explosion limit** | No data available |
| **Vapour pressure** | No data available |
| **Evaporation rate** | No data available |
| **Relative vapour density** | No data available |
| **Relative density** | No data available |
| **Density** | ca. 1.13 g/cm³ (20 °C) |
| **Water solubility** | soluble |
| **Partition coefficient: n-octanol/water** | No data available |
| **Viscosity, dynamic** | No data available |
| **Viscosity, kinematic** | No data available |
| **Oxidizing properties** | No data available |
| **Explosivity** | Not applicable |

## SECTION 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **10.1 Reactivity** | Stable under normal conditions. |
| **10.2 Chemical stability** | Stable under recommended storage conditions. |
| **10.3 Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4 Conditions to avoid** | Extremes of temperature and direct sunlight. |
| **10.5 Incompatible materials** | No incompatible materials known. |
| **10.6 Hazardous decomposition products** | No decomposition products expected under normal conditions of use. |

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| **Acute oral toxicity** | LD50 (Rat) > 5,000 mg/kg |
| **Acute inhalation toxicity** | LC50 (Rat) > 6.9 mg/l<br>Exposure time: 4 h |
| **Acute dermal toxicity** | LD50 (Rat) > 5,000 mg/kg |
| **Skin corrosion/irritation** | No skin irritation (Rabbit) |
| **Serious eye damage/eye irritation** | No eye irritation (Rabbit) |
| **Respiratory or skin sensitisation** | Skin: Non-sensitizing. (Mouse) |

**Assessment mutagenicity**

Based on available data, the classification criteria are not met.

**Assessment carcinogenicity**

Based on available data, the classification criteria are not met.

**Assessment toxicity to reproduction**

Based on available data, the classification criteria are not met.

**Assessment STOT Specific target organ toxicity – single exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

May be harmful if inhaled.
May cause skin irritation.
May cause eye irritation.
Harmful if swallowed.

**Early onset symptoms related to exposure**
Refer to Section 4

**Delayed health effects from exposure**
Refer to Section 11

**Exposure levels and health effects**
Refer to Section 4

**Interactive effects**
Not known

**When specific chemical data is not available**
Not applicable

**Mixture of chemicals**
Refer to Section 2.1

**Further information**

No further toxicological information is available.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

| | |
|---|---|
| **Toxicity to fish** | LC50 (Oncorhynchus mykiss (rainbow trout)) > 119 mg/l<br>Exposure time: 96 h |
| **Chronic toxicity to fish** | Oncorhynchus mykiss (rainbow trout)<br>NOEC: 11 mg/l<br>Exposure time: 90 d |
| **Toxicity to aquatic invertebrates** | EC50 (Daphnia magna (Water flea)) 43 mg/l<br>Exposure time: 96 h |
| **Chronic toxicity to aquatic invertebrates** | NOEC (Daphnia magna (Water flea)): 6 mg/l<br>Exposure time: 21 d |
| **Toxicity to aquatic plants** | EC50 (Anabaena flos-aquae (cyanobacterium)) > 7.4 mg/l<br>Exposure time: 72 h |
| | EC50 (Anabaena flos-aquae (cyanobacterium)) > 119 mg/l<br>Exposure time: 96 h |

### 12.2 Persistence and degradability

| | |
|---|---|
| **Biodegradability** | No data available |
| **Koc** | No data available |

### 12.3 Bioaccumulative potential

| | |
|---|---|
| **Bioaccumulation** | No data available |

### 12.4 Mobility in soil

| | |
|---|---|
| **Distribution among environmental compartments** | No data available |

**12.5 Other adverse effects**

**Additional ecological information** No other effects to be mentioned.

## SECTION 13. DISPOSAL CONSIDERATIONS

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.
Do not reuse container for any other purpose.

## SECTION 14. TRANSPORT INFORMATION

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

## SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994

Australian Pesticides and Veterinary Medicines Authority approval number: 90496

**SUSMP classification (Poison Schedule)**

Exempt (Standard for the Uniform Scheduling of Medicines and Poisons)

## SECTION 16. OTHER INFORMATION

**Trademark information** Method® is a Registered Trademark of the Bayer Group.

**Abbreviations and acronyms**

| | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute toxicity estimate |
| AU OEL | Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) |
| CAS-Nr. | Chemical Abstracts Service number |
| CEILING | Ceiling Limit Value |
| Conc. | Concentration |
| EC-No. | European community number |
| ECx | Effective concentration to x % |
| EINECS | European inventory of existing commercial substances |

| | |
|---|---|
| ELINCS | European list of notified chemical substances |
| EN | European Standard |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) |
| ICx | Inhibition concentration to x % |
| IMDG | International Maritime Dangerous Goods |
| LCx | Lethal concentration to x % |
| LDx | Lethal dose to x % |
| LOEC/LOEL | Lowest observed effect concentration/level |
| MARPOL | MARPOL: International Convention for the prevention of marine pollution from ships |
| N.O.S. | Not otherwise specified |
| NOEC/NOEL | No observed effect concentration/level |
| OECD | Organization for Economic Co-operation and Development |
| OES BCS | OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard" |
| PEAK | PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes. |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SK-SEN | Skin sensitiser |
| SKIN_DES | SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure. |
| STEL | STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. |
| TWA | TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week. |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Reason for Revision:** The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients.

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