



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 25 November 2010

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL PASSTOX CLEAR HERBICIDE
Other Names: None
Chemical Group: Organic Arsenicals
Recommended Use: Herbicide for use on turf.
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: cccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - NON DANGEROUS GOOD

Hazardous classification: Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)

Risk phrases:

Safety phrases: See sections 4,5,6,7,8,10,12,13

ADG Classification Not a Dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SUSDP classification: 7 (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Disoium methanearsenate (DSMA)	144-21-8	22% w/v
Inert ingredients	Non hazardous	78% w/v

4) FIRST AID MEASURES

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

Inhalation: If inhaled remove to fresh air and keep at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin Contact: Carefully remove contaminated clothing. Wash affected areas with soap and water.



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4) FIRST AID MEASURES continued

- Eye contact:** Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid.
- Ingestion:** If victim is fully conscious, immediately give large quantities of water to drink and get medical help. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by a doctor or Poisons Information Centre.
- First Aid facilities** Ensure eye wash and safety shower are available.
- Medical Attention:** There is no specific antidote. Treat symptomatically. Acute exposure symptoms include headache, dizziness, stupor, vomiting and diarrhoea. Do not use BAL as antidote. Suspected ingestion can be confirmed by urine analysis for arsenic residue. A value above 0.6 pm arsenic is indicative of acute poisoning. If product has been swallowed empty stomach by intubation, aspiration and lavage. Administer activated charcoal to absorb residual toxicant.

5) FIRE FIGHTING MEASURES

- Extinguishing media** Dry chemical, carbon dioxide (CO₂). Use of foam or water should be discouraged to prevent spreading of material.
- Hazard from combustion products** May release arsine gas.
- Precautions for fighting fires** Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later.
- Hazchem Code** 2X

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.



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7) HANDLING AND STORAGE

- Handling** Keep out of reach of children. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
- Storage** Store in the closed original container in a cool well ventilated area.. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers.
- Flammability** Product is not flammable. If involved in a fire or mixed with acids and metals the product may give off arsenic gas which is highly toxic.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

- Exposure Standards** Air concentrations should be maintained below 0.05 mg/m³ of arsenic. (8 hours TWA).
- Biological Limit Values** None allocated
- Engineering Controls** Use in a well ventilated area only.
- Personal Protective Equipment**
- | | |
|--------------|---|
| Eyes: | Safety goggles or face shield |
| Clothing: | Cotton overalls buttoned to the neck and wrists and a washable hat. |
| Gloves: | Elbow length chemical resistant PVC gloves |
| Respiratory: | Approved dust or pesticide respirator. |

9) PHYSICAL AND CHEMICALS PROPERTIES

- | | |
|---|--|
| Appearance: | Golden light-brown translucent liquid. |
| Odour: | slight characteristic odour |
| Vapour pressure: | Very low |
| Vapour density: | Not available |
| Boiling point: | Not available |
| Freezing/Melting point: | No data |
| Solubility: | DSMA has a solubility of 300g/L |
| Specific gravity: | Approximately 1.6g/mL at 20 ^o C |
| Flash point: | Not applicable |
| Flammability (explosive) limit: | Not applicable |
| Auto ignition temperature: | Not applicable |
| Partition coefficient (octanol/water): | Not applicable |



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10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Aluminium or galvanised equipment.
Incompatible materials :	Heavy metal salts may precipitate compounds, avoid contact
Hazardous decomposition products:	May release arsine gas.
Hazardous reactions:	None. Hazardous polymerisation is not possible.

11) TOXICOLOGICAL INFORMATION

Inhalation:	May irritate respiratory tract. Not a normal entry pathway.
Skin contact:	May cause irritation to unprotected skin. May aggravate pre existing skin disorder.
Eye contact:	May irritate the eyes.
Ingestion:	Ingestion of large quantities of product will cause irritation of the throat and gastrointestinal system with accompanying headaches, vomiting, diarrhoea, dizziness, convulsions and paralysis.

ANIMAL TOXICITY DATA – PRODUCT

<u>Acute:</u>	
Oral toxicity	LD ₅₀ rat 2,800 mg/kg
Dermal toxicity:	LD ₅₀ rabbit 10,000mg/kg
Inhalation toxicity:	No data
Skin irritation:	Slightly irritating.
Irritation of mucous membranes:	May cause irritation
Sensitisation:	May cause sensitisation.

Chronic:

Accumulation in the human body may occur. Arsenic compounds are known to cause cancer.

12) ECOLOGICAL INFORMATION

Ecotoxicity:	No data
Environmental fate, persistence and degradability, mobility	Not available.



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12) DISPOSAL CONSIDERATIONS

Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

13) TRANSPORT INFORMATION

UN Number:	Not applicable
Proper Shipping name:	Not applicable
Class and subsidiary risk:	Not applicable
Packing Group:	Not applicable
EPG:	Not applicable
Hazchem code:	Not applicable

14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 65189

15) OTHER INFORMATION

This MSDS 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 MSDS and consider the information in the context of the 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.

END OF MSDS