

## 1. IDENTIFICATION

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### Product Identifier

KELPIE® A-ZINE 900 HERBICIDE

### Recommended Use of the Chemical and Restrictions on Use

Herbicide.

### Details of Manufacturer or Importer

SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD

ABN: 74 160 164 616

Level 8 / 606 St Kilda Road

Melbourne, Victoria, 3004

Australia

Tel: +61 3 9520 8888

### Emergency Phone Number

Australia: 1800 033 111

## 2. HAZARD IDENTIFICATION

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Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).

### Classification of the substance or mixture:

Skin sensitisation – Category 1

STOT (repeated exposure) – Category 2

Hazardous to the aquatic environment (acute) – Category 1

Hazardous to the aquatic environment (chronic) – Category 1

**Signal word:** WARNING, Health hazard, Environmentally damaging



**Hazard Statement(s):**

H317 May cause an allergic skin reaction.  
 H373 May cause damage to organs through prolonged or repeated exposure by ingestion.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statement(s):**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.

**Prevention:**

P260 Do not breathe dust.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P314 Get medical advice/attention if you feel unwell.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.

**Disposal:**

P501 Dispose of contents/container to an approved waste disposal plant.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Product Description:** Active constituent: Atrazine; 1-Chloro-3-ethylamino-5-isopropylamino-2,4,6-triazine

Components	CAS Number	Proportion
Atrazine	1912-24-9	90 %
Ingredients determined not to be hazardous	-	10 %

## 4. FIRST-AID MEASURES

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For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

**Inhalation:**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion:**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**Skin Contact:**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye contact:**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

**First Aid Facilities:**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor:**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media:**

Use carbon dioxide, dry chemical, foam, water spray or water mist.

**Hazchem Code:** 2Z

**Specific hazards arising from the substance or mixture:**

Combustible solid; will readily burn under fire conditions. The finely divided dust, in sufficient quantity, may form flammable/explosive mixtures with air. Dust clouds may present an explosion hazard in the presence of an ignition source.

**Special protective equipment and precautions for fire fighters:**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency procedures/Environmental precautions:**

Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

### **Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal.

## 7. HANDLING AND STORAGE

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### **Precautions for safe handling:**

Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build-up of dust in the work atmosphere. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. by washing hands prior to eating, drinking, smoking or using toilet facilities.

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

Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges. Use proper grounding procedures. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances and AS/NZS 4745.2004 'Code of Practice for Handling Combustible Dusts'.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**Control Parameters:** No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Atrazine: 8hr TWA = 5 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

### **Appropriate engineering controls:**

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

**Individual protection measures, such as Personal Protective Equipment (PPE):**

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.



Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granules
Colour:	White
Odour:	Characteristic
Solubility:	Disperses
Specific Gravity:	Not applicable
Relative Vapour Density:	Not available
Vapour Pressure (20°C):	Not available
Flash Point (°C):	Not available
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
Boiling Point/Range (°C):	Not available
pH:	6.0 – 9.0

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Reacts with incompatible materials. Relatively stable in neutral, weakly acidic and alkaline media. Compatible with most herbicide formulations except very strong acid/alkaline formulations.
<b>Chemical stability:</b>	Stable under normal conditions of storage and handling.
<b>Hazardous polymerization:</b>	Hazardous polymerization will not occur.

<b>Conditions to avoid:</b>	Heat, flames and other sources of ignition.
<b>Incompatible materials:</b>	Strong oxidising agents. Hydrolysed by strong acids and bases.
<b>Hazardous decomposition products:</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Inhalation:</b>	Inhalation of dust may cause irritation of the nose, throat and respiratory system. Chronic exposure to this material may aggravate existing respiratory disorders and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.
<b>Skin contact:</b>	Skin contact may cause mechanical irritation resulting in redness and itching. May cause an allergic skin reaction.
<b>Eye contact:</b>	Eye contact may cause mechanical irritation. May result in mild abrasion. Eye irritation, rabbit: minimal irritation.
<b>Acute Toxicity:</b>	No LD50 data available for the product. However, for the active constituent:  Oral LD50 (rat): >2000mg/kg Inhalation LD50 (rat): >17.5mg/L Dermal LD50 (rat): >2000mg/kg
<b>Chronic effects:</b>	Not considered to be a carcinogenic hazard. Atrazine is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Not considered to be toxic to reproduction.

## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity:</b>	Do not discharge this material into waterways, drains and sewers.
<b>Persistence/degradability:</b>	Atrazine is not persistent in soil and is stable in water.
<b>Mobility:</b>	Atrazine has high mobility in soil.
<b>Acute toxicity:</b>	Atrazine has slight acute toxicity to fish and aquatic invertebrates. Atrazine has a high acute toxicity to algae.  96hr LD50 (Rainbow trout): > 11 mg/L 24hr LD50 (Daphnia magna): > 87 mg/L 96hr EC50 (Skeletonema costatum): > 55µg/L

**Acute toxicity (other):** Atrazine is practically nontoxic to birds. Atrazine has low toxicity to bees.

LD50 (mallard duck): >2000 mg/kg

LD50 (bobwhite quail): >4237 mg/kg

LD50 (honey bee): > 100 µg/bee

## 13. DISPOSAL CONSIDERATIONS

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### **Disposal methods:**

Shake empty bag into spray tank. Single rinse container before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for the purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

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### **Road and Rail Transport**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG CODE) for Transport by Road and Rail.

### **Marine Transport (IMO/IMDG)**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### **Air Transport (ICAO/IATA)**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

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Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

**UN Number:** UN 3077 (Environmentally hazardous substance, liquid, n.o.s.)

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poisons Schedule (SUSMP):** S5

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA).  
APVMA Approval Number 83069

## 16. OTHER INFORMATION

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® KELPIE is a registered trademark of Sinochem International Crop Care (Overseas) Pty Ltd.

### **Date of preparation or last revision of SDS**

August 2015

### **Disclaimer of Liability**

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