

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME** : **KANNAR KangroShield 100™**  
**PRODCUT CODE** : **KS100**

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

**TRADE NAME** : **KANNAR KangroShield 100™**  
**SUPPLIER DETAILS** : **KANNAR EARTH SCIENCE (PTY) LTD.**

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Identification of the preparation:** Water based canola oil, garlic and pyrethrum formulation  
**Chemical name**  
**CAS-No.** : 121-21-1 (Pyrethrum I) 121-129-9 (Pyrethrum II)  
**EEC-No.** : 613 022-006

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**3. HAZARDS IDENTIFICATION**

**Most important hazards** : Misuse on Human / Animals  
a) Slight irritation of eyes and mucous membrane  
b) In case of misuse (swallowed) nausea

**Specific Hazards** :  
**Environment** : Toxic to fish

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**4. FIRST AID MEASURES**

**General advice** : Take off all contaminated clothing immediately. Show this safety data sheet to the doctor in attendance.

**Inhalation** : Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.

**Skin Contact** : Wash off immediately with plenty of water. Consult a physician if necessary.

**Eye Contact** : Rinse immediately with plenty of water for at least 15 minutes. Keep eyes wide open while rinsing. Obtain medical attention.

**Ingestion** : Rinse mouth. (Never give anything by mouth to an unconscious person.) Do not induce vomiting. Call a physician immediately. Keep warm and in a quiet place.

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**5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media** : Dry powder, sand, foam.

**Extinguishing media which must not be used for safety reasons** : Do not use water jet

**Special protective equipment for fire fighters** : In the event of a fire, wear self contained breathing apparatus.

**Specific methods** : Standard procedure for chemical fires.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	:	Use personal protective equipment. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	:	Do not let product enter drains. Avoid subsoil penetration.
<b>Methods for cleaning up</b>	:	Soak up with inert absorbent material. Shovel into suitable containers for disposal. After cleaning, flush away traces with water.

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## 7. HANDLING AND STORAGE

<b>Handling</b>	:	Use only in area provided with appropriate exhaust ventilation.
<b>Storage</b>	:	Keep tightly closed. Keep away from ignition

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Wear protective clothing and suitable gloves

**National occupational exposure limits :**

Engineering measures to reduce exposure.

Ensure adequate ventilation, especially in confined areas.

**Personal protection equipment :**

Wear protective clothing, face protection with suitable gloves

**Hygiene measure :**

Handle in accordance with good industrial hygiene and safety practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	:	Cream colour viscous liquid
<b>Odour</b>	:	Garlic
<b>Colour</b>	:	Cream in colour
<b>pH</b>	:	(25 degrees Celsius) 6 to 7
<b>Boiling point/range</b>	:	100 degrees Celsius
<b>Melting point/range</b>	:	liquid
<b>Flash point</b>	:	>100 degrees Celsius
<b>Relative density</b>	:	(25 degrees Celsius) = 1.05
<b>Solubility</b>	:	
<b>Water Solubility</b>	:	(25 degrees Celsius) completely miscible.

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## 10. STABILITY AND REACTIVITY

**Decomposition at high temperatures.**

**There are no toxic-decomposition products known.**

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## 11. TOXICOLOGICAL INFORMATION

LD 50 oral (rat) greater than 2000mg/kg

LDS 50 dermal (rat) greater than 2000mg/kg

LC50 inhalation (rat) 10 mg/ (4 h )

No sensitization, not carcinogenetic, no impairment of heredity and reproduction.

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12. **ECOLOGICAL INFORMATION**

Toxic to fish.

Do not contaminate waterways, ponds etc. with the product.

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13. **DISPOSAL CONSIDERATIONS**

Supervised incineration in accordance with national regulations.

Dispose carefully cleaned container in accordance with local and national regulations.

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14. **TRANSPORTATION INFORMATION**

<b>By Road</b>	:	Class 3, 32c
<b>UN No</b>	:	none
<b>IATA</b>	:	free
<b>Packaging group</b>	:	3 (original container UN proved)

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15. **REGULATORY INFORMATION**

<b>Symbols</b>	:	Xn (harmful)
<b>Special risks</b>	:	R 20/21/22 harmful by inhalation, in contact with skin and when swallowed.
<b>Safety Advice</b>	:	S2 Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

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16. **OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials on any process unless specified in the text.

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