



## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** KANNAR KANGUARD 940™

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

#### **PRODUCT DETAILS:**

**TRADE NAME:** KANNAR KANGUARD 940™

**PRODUCT CODE** K 940

#### **SUPPLIER DETAILS:**

KANNAR Earth Science (Pty) Ltd.

TEL: (011) 372 4700

FAX: (011) 372 4710

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Identification of the preparation: Water based formulation of natural plant acids

Chemical name

**CAS-No.**

**EEC-No.**

**Class Weight %** Not applicable.

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### 3. HAZARDS IDENTIFICATION

Most important hazards : None

The product does not need to be labeled in accordance with EC directives or respective national laws.

Specific Hazards : None.

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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 vapors. 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 :**

Product is non-flammable. Use suitable extinguishing material as appropriate for surrounding material.

**Extinguishing media which must not be used for safety reasons :**

None.

**Specific hazards :**

This product itself does not burn.

**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**

**Personal precautions :**

Use personal protective equipment. Keep people away from and upwind of spill/leak.

**Environmental precautions :**

Do not let product enter drains. Avoid subsoil penetration.

**Methods for cleaning up :**

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**

**Handling :** Handle in accordance with good industrial hygiene and safety practice  
**Storage :** Keep tightly closed.

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8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Chemical name :**  
**National occupational exposure limits :** Not applicable.  
Engineering measures to reduce exposure.  
Ensure adequate ventilation, especially in confined areas.

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***Personal protection equipment :***

- Respiratory protection      No personal respiratory protective equipment normally required.
- Hand protection              PVC or other plastic material gloves.
- Eye protection                Face-shield.

***Hygiene measure :***

Handle in accordance with good industrial hygiene and safety practice.

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9. **PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	Liquid
Odor	:	Mild
Color	:	Clear to pale yellow
pH	:	(25 degrees Celsius) 5-6
Boiling point/range	:	100 degrees Celsius
Melting point/range	:	0 degrees Celsius
Flash point	:	>100 degrees Celsius
Relative density	:	(25 degrees Celsius) = 1.05
Solubility	:	
Water Solubility	:	(25 degrees Celsius) Completely miscible.

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10. **STABILITY AND REACTIVITY**

**Stability** : Stable  
**Materials to avoid** : None  
Hazardous decomposition products : None under normal use.

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11. **TOXICOLOGICAL INFORMATION**

No information available.

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12. **ECOLOGICAL INFORMATION**

No information available.

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13. **DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products :**  
Dispose of as special waste in compliance with local and national regulations.

**Contaminated packaging :**  
Empty containers.  
Empty containers should be taken for local recycling, recovering or waste disposal.

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14. **TRANSPORTATION INFORMATION**

UN No.  
ADR/RID  
Class : Item :  
TREM - CARD HI/UN No. :

Proper shipping name :  
**Not classified as dangerous in the means of road and railway transport regulations.**

IMO  
Class : IMG Page :  
EmS : MFAG :

Proper shipping name :  
**Not classified as dangerous in the meaning of sea and air transport regulations.**

ICAO  
Class : UN/ID No. :

Proper shipping name :

**Not classified as dangerous in the means of transport regulations.**

15. **REGULATORY INFORMATION**

Classification according to European directive on classification of hazardous preparations 90/492/EEC.

Containers :

**The product does not need to be labeled in accordance with EC directives or respective national laws.**

Symbol (s) :

R-phrase (s) :

S-phrase (s) :

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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.