

## SAFETY DATA SHEET: Key Mark

### 1. IDENTIFICATION

**Product Name:** Key Mark  
**Other Names:** None  
**Recommended Use:** Foam Marker  
**Distributor:** Key Industries Ltd  
**Address:** P.O. Box 65070, Mairangi Bay, Auckland 0754  
**Telephone:** 09 917 1791  
**Emergency Phone:** 027 4941659  
**National Poisons Centre:** 0800 764 766

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** 6.1E, 6.3A, 6.4A, 9.1C  
**Hazards:** Toxic if inhaled  
Harmful if swallowed  
Causes serious eye irritation  
Causes mild skin irritation  
Causes damage to organs through prolonged or repeated exposure.  
Toxic to fish and freshwater invertebrates.  
Inhibits the growth of bacteria

### 3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (% w/w)
Water		50-70%
Proprietary blend of foaming agents		30-50%

### 4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

#### Swallowed

If swallowed, do not induce vomiting. If conscious and alert, rinse mouth and drink 1-2 cupful's of water. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain urgent medical attention

#### Skin Contact

Immediately wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated leather articles such as belts and watchbands. Seek medical attention.

#### Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do and continue rinsing. Do NOT allow victim to rub eyes or keep eyes closed. Obtain urgent medical attention.

#### Inhalation

Move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention immediately.

#### First Aid facilities

Provide eye baths and safety showers close to areas where exposure may occur.

#### Medical Attention

Treat symptomatically and supportively, monitoring the development of hypersensitivity reactions with respiratory distress. Gastric lavage may be indicated if ingested. No known antidote. Do not confuse with cholinesterase poisoning. Skin contacted may be carefully cleaned with cleansing milk. Symptoms can be partially alleviated by the application of a vitamin E or moisturizing cream or anesthetic ointment. For eyes, instill local anesthetic drops e.g. 1% amethocaine hydrochloride eye drops. Give analgesics as necessary. In all cases consult the National Poisons Centre for the most up to date treatment information.

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### 5. FIRE FIGHTING MEASURES

Toxic fumes under fire conditions: Do not allow contaminated run-off to enter drains. Self-contained breathing apparatus required. Not considered an explosion hazard. Use water spray, dry chemical, alcohol foam, or carbon dioxide as extinguishing media. Contain firefighting water.

**Hazchem Code**

2Z

**Flash Point**

Water based product – not flammable

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills**

Wear appropriate protective clothing whilst cleaning up small spills (see Personal Protection). Apply absorbent material such as earth, sand or clay granules to the spill. Sweep up material for disposal when absorption is complete. Clean up minor spills immediately.

**Large Spills**

Wear protective clothing. Clear the area of all unprotected personnel. As a standard precautionary measure, shut off all sources of ignition. Place leaking containers into salvage drums. Apply absorbent material such as earth, sand or clay granules to spill area. Form a barricade around the spill and in front of drains or waterways in spill vicinity, using earth or other available material. Prevent entry of material into drains or water ways.

**Waste Disposal Method**

Contaminated absorbent and wash water should be disposed of according to local regulations under the Resource management Act. Avoid contamination of any water supply with chemical or empty container.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Wear chemically impervious gloves. Wear approved safety glasses, goggles, or a full-face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, feed, or food by storage, handling, or disposal.

Read and observe all precautions and instructions on the label. Avoid contact with food, clothing, drugs or other household goods during transportation.

**Conditions for safe storage**

Store containers upright and closed

Store in a cool, dry place away from direct sunlight and in

well-ventilated areas. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

No workplace exposure standards have been set for this product or any of its components.

**Engineering Controls**

Control airborne concentrations below the exposure guideline. Good general ventilation should be sufficient for most conditions.

**Hygiene Controls**

Facilities storing or utilizing this material should be equipped with an eyewash facility, safety shower and facility for washing hands/face after work.

**Personal Protective Equipment**

**Respiratory Protection**

Wear an approved organic vapor respirator in absence of proper mechanical ventilation.

**Eye Protection**

Wear approved safety glasses, goggles, or a full-face shield.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Skin/Body Protection

DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA! Wear waterproof gloves when prolonged or frequently repeated contact could occur. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale yellow to colorless
<b>Physical State:</b>	Liquid
<b>Boiling Point:</b>	100°C at 100kPa
<b>Flash Point:</b>	Water based product – not flammable
<b>Flammable Limits:</b>	LFL: Not applicable UFL: Not applicable
<b>Specific Gravity @ 20°C:</b>	1.24g/mL
<b>Vapour Pressure, mmHg @ 20°C:</b>	Not applicable
<b>Solubility in Water:</b>	Totally
<b>Density at 20°C, g/cm<sup>3</sup>:</b>	1.0
<b>Viscosity (25 °C):</b>	No data available
<b>pH:</b>	6.5

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Hazardous decomposition products:</b>	Not applicable
<b>Specific Materials to Avoid:</b>	Not applicable.
<b>Hazardous Polymerisation:</b>	Not know to occur

### 11. TOXICOLOGICAL INFORMATION

#### Acute Effects

<b>Ingestion:</b>	Single dose oral toxicity may be harmful and swallowing larger amounts may cause injury.
<b>Eye Contact:</b>	May cause serious eye irritation.
<b>Skin Contact:</b>	May cause mild irritation.

#### Toxicological Information

Oral LD50 for rat:	No data is available
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### 12. ECOLOGICAL INFORMATION

Do not discharge the product into public watercourses, sewer, ground etc  
Aquatic toxicity: EC50 (48 h): no complete data available  
Biodegradability: Readily biodegradable.  
Mobility: Completely soluble in water.

### 13. DISPOSAL CONSIDERATIONS

#### Product Disposal

Dispose of product only by using according to label or using an approved waste disposal contractor. If this material as supplied becomes a waste care should be taken to ensure compliance with national and local authorities. It is the responsibility of the waste generator to determine the toxicity and physical properties of the waste generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Do not dispose of via municipal sewers, drains, natural streams or rivers

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### 13. DISPOSAL CONSIDERATIONS – Continued

#### **Packaging Disposal**

Triple rinse container and add rinsate to the spray tank. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods and HSNO regulations.

### 14. TRANSPORT INFORMATION

Avoid contact with food, clothing, drugs or other household goods during transport.

Not considered hazardous for transportation under NZS5433:2007 TRANSPORTATION OF DANGEROUS GOODS ON LAND.

### 15. REGULATORY INFORMATION

<b>Country/ Region:</b>	New Zealand
<b>ERMA Approval Number:</b>	HSR002503
<b>HSNO Classifications:</b>	6.1E Acute toxicity
	6.3A Skin irritant
	6.4A Eye irritant
	6.9A Target organ or systemic toxicity
	9.1C Aquatic Eco toxic

### 16. OTHER INFORMATION

#### **Reasons for Issue:**

Update format and content to comply with legislation

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. 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. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.