



SAFETY DATA SHEET

Krista™-MKP

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation
Product name : Krista™-MKP

Chemical name :

Chemical formula : KH₂PO₄
Company/undertaking identification
Manufacturer / Supplier : Yara Australia Pty Ltd
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2. Composition/information on ingredients

Substance/preparation : Substance

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.

3. Hazards identification

The substance is not classified as dangerous according to Directive 67/548/EEC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

Inhalation : Avoid breathing dust. If inhaled, remove to fresh air.

Ingestion : If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Skin Contact : Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water. Get medical attention if irritation develops.

Eye contact : In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media : In case of fire, use water spray (fog), foam or dry chemical.

Special exposure hazards : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Hazardous thermal decomposition products : These products are phosphates. Some metallic oxides.

6. Accidental release measures

Personal precautions : Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

Environmental precautions and clean-up methods : Avoid contact of spilt material with soil and prevent runoff entering surface waterways.

Use a tool to scoop up solid or absorbed material and place into appropriate labelled waste container. Absorb with dry earth, sand or other non-combustible material. Avoid creating dusty conditions and prevent wind dispersal. Keep out of waterways. See section 13 for waste disposal information.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Avoid contamination by any source including metals, dust and organic materials.

Storage : Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with combustible materials.

8. Exposure controls/personal protection

Occupational exposure limits : Total inhalable dust - 10 mg/m³

Respirable dust - 5 mg/m³

Exposure controls

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Use dust goggles if high dust concentration is generated.

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

General information

Appearance

Physical state : Solid. (Crystalline solid.)

Colour : White.

Odour : Odourless.

Important health, safety and environmental information

Melting/freezing point : 1340°C (2444°F)

Density (g/cm³) : 2.56 g/cm³

Solubility (at 20°C) : 1100 g/l

10. Stability and reactivity

- Stability : Stable under recommended storage and handling conditions (see section 7).
 Hazardous decomposition products : These products are phosphates. Some metallic oxides.

11. Toxicological information

Potential acute health effects

Adverse health effects are considered unlikely, when the product is used according to directions.

Acute toxicity

Ingredient name	Test	Result	Route	Species
	LD50	>4640 mg/kg	Dermal	Rabbit
	LDLo	4640 mg/kg	Oral	Rat

12. Ecological information

- Adverse effects : The product is not expected to harm the environment when used properly according to directions.

13. Disposal considerations

- Methods of disposal : Empty containers or liners may retain some product residues. Do not empty into drains; dispose of this material and its container in a safe way. Dispose of in accordance with all applicable local and national regulations.
 Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC..

14. Transport information

Not regulated.

Not classified as hazardous material according to UN Orange Book and international transport codes e.g. ADR (road), RID (rail), ADN (inland waterways) and IMDG (sea).

15. Regulatory information

EU regulations

- Risk phrases : This product is not classified according to EU legislation.
 Product use : Industrial applications.

Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.

16. Other information

History

- Date of issue : 2005-09-05.
 Date of previous issue : No previous validation.
 Version : 1
 Indicates information that has changed from previously issued version.

Notice to reader

16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.