

# Material Safety Data Sheet



Based on available information, not classified as hazardous according to criteria of NOHSC.  
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

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

**Product Name:** MIEX® DOC RESIN

**Synonyms:** MIEX®

**Supplier:** Orica Advanced Water Technologies Pty Ltd

**ABN:** 38 093 117 536

**Street Address:** Gate 4 Stanford Street,  
Ascot Vale VIC 3032  
Australia

**Telephone Number:** +61 3 9283 6486

**Facsimile:** +61 3 9283 6266

**Emergency Telephone:** 1 800 033 111 (ALL HOURS)

## 2. Composition/information on ingredients

**Product Description:** Ion exchange resin for the treatment of potable water.

Components / CAS Number	Proportion	Risk Phrases
Non hazardous component(s)	100%	-
-	-	-

## 3. Hazards identification

**Poisons Schedule:** None allocated.

## 4. First-aid measures

**Inhalation:** Not applicable.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

**Eye Contact:** If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical assistance. Seek medical advice.

**Notes to physician:** Treat symptomatically.

## 5. Fire-fighting measures

**Product Name:** MIEX® DOC RESIN  
**Substance No:** 000034411201

**Issued:** 11/03/2004  
**Version:** 1.1

# Material Safety Data Sheet

<b>Specific Hazards:</b>	Non-combustible material.
<b>Fire-fighting advice:</b>	Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
<b>Suitable Extinguishing Media:</b>	Not combustible, however, if material is involved in a fire use: Water jets, water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6. Accidental release measures

Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers.

## 7. Handling and storage

**Handling advice:** No special requirements. Ensure Personal Protective Equipment (PPE) worn when handling resin.

**Storage advice:** Store away from direct sunlight. Ensure temperature is in the range 0°C-50°C during storage and transport. Ensure the resin (solids) is not allowed to dry out during storage.

## 8. Exposure controls/personal protection

### Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

### Engineering Control Measures:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

### Personal Protective Equipment:

Orica Personal Protection Guide No. 1, 1998: B - OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. Physical and chemical properties

<b>Physical state:</b>	Fully mixed: Thick brown slurry. Unmixed: Majority of the volume is brown settled material with the remaining volume being clear to opaque water supernatant.
<b>Colour:</b>	Solids - brown colour. Supernatant - clear to opaque.
<b>Solubility:</b>	Solids are not soluble in water.
<b>Specific Gravity:</b>	1.2 (solids only)
<b>Flash Point (°C):</b>	Not applicable.
<b>Melting Point/Range (°C):</b>	>350 (solids only)

**Product Name:** MIEX® DOC RESIN  
**Substance No:** 000034411201

**Issued:** 11/03/2004

**Version:** 1.1

# Material Safety Data Sheet



Decomposition Point (°C): >280 (solids only)

## 10. Stability and reactivity

**Stability:** Incompatible with concentrated nitric acid, and high concentrations (>0.1% wt) of strong oxidising agents. Contact of resin with oxidising agents may lead to slight resin degradation or more exothermic reaction occurring.

## 11. Toxicological information

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:

**Ingestion:** No adverse effects expected.

**Eye contact:** May cause physical irritation.

**Skin contact:** Not expected to be a skin irritant.

**Inhalation:** Not expected to cause respiratory irritation. Inhalation of dust from dried material may result in irritation to the respiratory tract.

### Long Term Effects:

No information available for the product.

### Toxicological Data:

No LD50 data available for the product.

## 12. Ecotoxicological information

Avoid contaminating waterways.

## 13. Disposal considerations

Refer to Waste Management Authority. Normally suitable for disposal at approved land waste site.

## 14. Transport information

### 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

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Product Name:** MIEX® DOC RESIN  
**Substance No:** 000034411201

**Issued:** 11/03/2004

**Version:** 1.1

# Material Safety Data Sheet



## Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. Regulatory information

**Classification:** Based on available information, not classified as hazardous according to criteria of NOHSC.  
**Poisons Schedule:** None allocated.

## 16. Other information

This material safety data sheet has been prepared by SH&E Shared Services, Orica.

### **Reason(s) for Issue:**

Change to supplier information.

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in transport and storage. This MSDS does not provide information on the safe and correct use of this product. This information and advice is available on request from Orica Advanced Water Technologies. It is the responsibility of the user to obtain this advice prior to using the product.

If clarification or further information is needed, the user should contact their Orica representative or Orica Advanced Water Technologies at the contact details on page 1.

Orica Advanced Water Technologies' responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available on request.

**Product Name:** MIEX® DOC RESIN  
**Substance No:** 000034411201

**Issued:** 11/03/2004

**Version:** 1.1