



# Material Safety Data Sheet

Page 1 of 4

Issue date: July 2001

Hazardous according to criteria of Worksafe Australia

## Erathane GP2 Isocyanate

### COMPANY DETAILS

**Era Polymers Pty Ltd**

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### IDENTIFICATION

**Product Name:** Erathane GP2 Isocyanate  
**Use:** Polyurethane foam isocyanate  
**UN Number:** None allocated  
**Proper Shipping Name:** NONE ALLOCATED  
**Dangerous Goods Class:** None allocated  
**Subsidiary risk:** None allocated  
**Packing Group:** None allocated  
**Hazchem Code:** None allocated

### PHYSICAL PROPERTIES

**Appearance:** Brown liquid  
**Boiling Point Melting Point:** 200°C  
**Vapour Pressure:** <0.00001  
**Specific Gravity:** 1.2  
**Flash Point:** >205°C  
**Flammability Limits:** Not available  
**Solubility in Water:** Reacts with water

### Other Properties

Relative Vapour Density: ~8.6

### INGREDIENTS

**SUBSTANCE NAME**  
POLYMERIC MDI

**Proportion**  
Greater than 60%

**CAS Number**  
9016-87-9



# Material Safety Data Sheet

Page 2 of 4

Issue date: July 2001

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### HEALTH HAZARD INFORMATION

#### ACUTE HEALTH EFFECTS

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**Hazard Category: Harmful, Irritant**

#### ACUTE HEALTH EFFECTS

**Swallowed:**

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

**Eye:**

Will cause irritation to the eyes, with effects including: tearing, pain, and stinging and blurred vision. Depending upon duration of exposure, eye damage may occur.

**Skin:**

Will cause irritation to the skin, with effects including: Redness, itchiness, and possible dermatitis.

**Inhaled:**

Harmful if inhaled.

Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, in coordination, chest pains, coughing, respiratory paralysis and or failure.

**Chronic:**

Prolonged or repeated skin contact may lead to dermatitis.

This product may cause severe eye irritation and depending upon duration of exposure, some form of permanent eye damage may occur.

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour(s) may result in lung function incapacity or death.

Prolonged or repeated contact with this substance will cause sensitisation by inhalation.

#### FIRST AID

**Swallowed:**

If swallowed, DO NOT induce vomiting, unless instructed to do so by trained health professional. Transport to hospital or doctor.

**Eye:**

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists transport to hospital or doctor.

**Skin:**

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available.

If irritation persists transport to hospital or doctor.

**Inhaled:**

Open all doors, windows and/or vents. Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

**First Aid Facilities:**

Eye wash fountain, safety shower and normal washroom facilities.

**Advice to Doctor:**

Treat symptomatically.



# Material Safety Data Sheet

Page 3 of 4

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### PRECAUTIONS FOR USE

#### Exposure Standards

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#### *POLYMERIC MDI*

(Worksafe Australia)

[TWA] 0.02 mg/m<sup>3</sup>

[STEL] 0.07 mg/m<sup>3</sup>

**Notices:** Sen.

#### Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

#### Personal Protection Equipment

**CLOTHING:** PVC or natural rubber apron or splash suit.

**GLOVES:** PVC or natural rubber.

**EYES:** Chemical goggles or face shield to protect eyes.

**RESPIRATORY PROTECTION:** Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When vapours exceed the exposure standards then the use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels.

If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

### SAFE HANDLING INFORMATION

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

#### Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Subsidiary risk:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT (US), IACO (IATA) or IMO (IMDG).

Non Dangerous Good according to the ADG Code (6th Edition).

#### Spills

Ventilate area. Remove all unnecessary personnel from spill area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Contain using sand or soil - prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Do not use sawdust.

Collect and seal in properly labeled containers for disposal.

Disposal For disposal information contact the State Land Waste Management Authority or the Environmental Protection Agency.



# Material Safety Data Sheet

Page 4 of 4

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### Disposal

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### Fire

#### Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting soot, smoke and decomposition products.

Fire Fighting Procedures Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

### Flammability

This material is not a flammable or combustible liquid.

## OTHER INFORMATION

### THE COMBINED ACUTE LETHAL INHALATION EFFECT OF THE MIXTURE

LC<sub>50</sub> inhalation, RAT:  $1 < LC_{50} \leq 5$  mg/L/4 hr

### RISK PHRASES

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42 May cause sensitisation by inhalation.

### SAFETY PHRASES

S2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S28 After contact with skin, wash immediately with plenty of warm soapy water

S38 In case of insufficient ventilation, wear suitable respiratory protection.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

### Ecotoxicity

This product should not be disposed of in drains, sewers or waterways.

### Poison Schedule

Poison Schedule: S6

## CONTACT POINT

### Contact Point

Technical Manager +61 2 9666 3788

### Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.