



# Material Safety Data Sheet

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Issue date: January 2007

## Era Gun Flush

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Era Gun Flush

**Synonym:** None

**Use:** Cleaning agent for polyurethane dispensing equipment

**Era Polymers Pty Ltd**

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**Australia**

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**Emergency Advice All Hours:**

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### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

**Hazard Category:** None allocated

**Hazard Classification:** NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD

#### RISK PHRASES

None allocated.

#### SAFETY PHRASES

None allocated.

**Poison Schedule:** None allocated [Aust].

#### Warning Statement:

Non-hazardous material.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
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All ingredients not hazardous according to NOHSC Criteria.

### 4. FIRST AID MEASURES

#### Swallowed:

If swallowed, DO NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Seek medical attention.

#### Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. In all cases of eye contamination it is a sensible precaution to seek medical attention.

#### Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap. Flush skin with water. Seek medical attention if irritation persists after washing.



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### **Inhaled:**

Remove victim to fresh air, avoid becoming a casualty. Remove any contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if effects persist.

### **First Aid Facilities:**

Eye wash fountain, safety shower and normal washroom facilities.

### **Advice to Doctor:**

Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre**

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

## 5. FIRE-FIGHTING MEASURES

### **Fire/Explosion Hazard**

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposes on heating emitting toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**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 water fog (or if unavailable fine water spray), foam, or dry agent (carbon dioxide or dry chemical powder). Use water spray to cool fire-exposed containers and for large fires.

**HAZCHEM CODE:** None allocated [Aust]

### **FLAMMABILITY**

This product is not flammable. This product is a combustible liquid and may form flammable vapour mixtures with air.

## 6. ACCIDENTAL RELEASE MEASURES

### **EMERGENCY PROCEDURES:**

Shut off all possible sources of ignition. If contamination of sewers or waterways has occurred, advise local emergency services.

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## 7. HANDLING AND STORAGE

Classified as a C1 Combustible Liquid for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to State Regulations for storage and transport requirements.

**CONDITIONS FOR SAFE STORAGE:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use, check regularly for leaks.

**PRECAUTIONS FOR SAFE HANDLING:** Avoid skin and eye contact.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

Exposure standards for this product:

(NOHSC Australia)

[TWA] 50 ppm      308 mg/m<sup>3</sup>

Notices: Sk

(ACGIH)

[TWA] 100 ppm      606 mg/m<sup>3</sup>

[STEL] 150 ppm      909 mg/m<sup>3</sup>

Notices: Sk

#### Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards 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. If exhaust ventilation is not available or inadequate, use approved respirator to Australian Standards.

#### Personal Protection Equipment

**CLOTHING:** Wear suitable protective clothing to prevent skin contact.

**GLOVES:** Wear impervious gloves to prevent skin contact - PVC or natural rubber.

**EYES:** Wear safety glasses with side shields, chemical goggles or face shield to protect eyes.

**RESPIRATORY PROTECTION:** If inhalation risk exists, wear organic vapour respirator. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a respirator for organic vapours with disposable or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colourless liquid
<b>Boiling Point Melting Point:</b>	BP = 180°C, MP = -80°C
<b>Vapour Pressure:</b>	0.05 kPa @ 20°C
<b>Specific Gravity:</b>	0.95
<b>Flash Point:</b>	85°C
<b>Flammability Limits:</b>	1.4 - 10.4%
<b>Solubility in Water:</b>	Miscible with water

#### Other Properties

Relative vapour density = 5.14 (air = 1)

Autoignition temperature = 205°C

Evaporation rate = 0.03 (butyl acetate = 1).

### 10. STABILITY AND REACTIVITY

#### STABILITY:

Stable under normal conditions of use.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Emits toxic and/or irritating fumes including carbon monoxide and carbon dioxide when heated to decomposition.

#### HAZARDOUS POLYMERIZATION:

Will not occur under normal conditions of use.

#### INCOMPATIBILITIES:

Incompatible with oxidising agents, aluminium, copper, and copper alloys.



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### CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE HEALTH EFFECTS:

#### Swallowed:

Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central nervous system depression (like those of drunkenness) there is a greater likelihood of them breathing in vomit and causing damage to the lungs.

#### Eye:

May cause mild irritation to the eyes.

#### Skin:

May cause irritation to the skin.

#### Inhaled:

Where this material is used at elevated temperatures, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

#### Chronic:

There is no information available for this product.

#### Toxicological Data:

LD50 (oral, rat) = 5400  $\mu$ L/kg

Skin (rabbit): mild irritant

Eyes (human): mild irritant

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

There is no information available for this product.

### Mobility:

There is no information available for this product.

### Persistence / Degradability:

There is no information available for this product.

### Chemical Fate Information:

There is no ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all relevant Local, State and Federal regulations. Dispose of material through a licensed waste contractor. Any processing, use, or contamination of this product may change the requirements for disposal. It is the responsibility of the generator of the waste to properly classify, transport and dispose of the waste.





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[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Material Safety Data Sheet (MSDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

### **Disclaimer**

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

### **Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**END OF MSDS**