

# Material Safety Data Sheet



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## Hazardous Substance, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Toro Priming Fluid Red**

Synonyms:	Mancode
Toro Priming Fluid Red, 125 mL	347302
Toro Priming Fluid Red, 250 mL	347418
Toro Priming Fluid Red, 500 mL	347558
Toro Priming Fluid Red, 1 Litre	350532
Toro Priming Fluid Red, 4 Litres	347736

**Recommended use:** Primer for use with uPVC solvent welding cements.

<b>Supplier:</b>	Bostik Australia Pty Ltd	Bostik New Zealand Limited
<b>ABN:</b>	79 003 893 838	
<b>Street Address:</b>	51-71 High Street Thomastown VIC 3074 Australia	19 Eastern Hutt Road Wingate Lower Hutt New Zealand
<b>Telephone:</b>	+613 9279-9333	+644 567-5119
<b>Facsimile:</b>	+613 9279-9342	+644 567-5412
<b>Website:</b>	<a href="http://www.bostik.com.au">www.bostik.com.au</a>	<a href="http://www.bostik.co.nz">www.bostik.co.nz</a>

**Emergency telephone number:** Australia – 1800 033 111      New Zealand – 0800 243 622

### 2. HAZARDS IDENTIFICATION

#### AUSTRALIA CLASSIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

**Hazard Category:**

Xi      Irritant

**Risk Phrase(s):**

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

**Safety Phrase(s):**

S16:      Keep away from sources of ignition.  
S23:      Do not breathe vapour.  
S24/25:      Avoid contact with skin and eyes.  
S36/37/39:      Wear suitable protective clothing, gloves and eye/face protection.  
S38:      In case of insufficient ventilation, wear suitable respiratory equipment.

**Poisons Schedule (Aust):** S5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

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## NEW ZEALAND CLASSIFICATION

This material is hazardous according to health criteria of ERMA New Zealand

### ERMA Group Standard:

Construction Products (Subsidiary Hazard) Group Standard 2006; HSR002544

### HSNO Hazard Classification

- 3.1B Flammable liquid
- 6.3A Substances that are irritating to the skin
- 6.4A Substances that are irritating to the eye
- 6.9 Respiratory tract irritant

### Hazard Statement:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

### Prevention Statement:

- P103 Read label before use.
- P210 Keep away from all sources of ignition. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing vapour.
- P264 Wash hands, face and all exposed skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

## DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Class:** 3 Flammable Liquid

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Methyl ethyl ketone	78-93-3	30-60%
Acetone	67-64-1	30-60%
Ingredients determined to be non-hazardous	-	Balance
		100%

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## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin contact:** For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical advice.

**Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may 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.

**Hazchem Code:** ●3YE.

**Suitable extinguishing media:** If material is involved in a fire use foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

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## LARGE SPILLS

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

**Dangerous Goods – Initial Emergency Response Guide No: 14**

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian and New Zealand Dangerous Goods Code and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Methyl ethyl ketone	150	445	300	890	-	-

As published by the Safe Work Australia or Department of Labour New Zealand.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

WES-TWA (Workplace Exposure Standard – Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

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WES-STEL (Workplace Exposure Standard - Short-Term Exposure Limit). The 15-minute average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue changes, or necrosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR.

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from polyvinyl alcohol should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Water white or red, water thin liquid with ketonic odour.

<b>Solubility:</b>	Very slightly soluble in water.
<b>Specific Gravity (20 °C):</b>	0.80 Approx.
<b>Relative Vapour Density (air=1):</b>	2.42*
<b>Vapour Pressure (20 °C):</b>	9.4 kPa*
<b>Flash Point (°C):</b>	-7*
<b>Flammability Limits (%):</b>	LEL - 1.8, UEL - 11.5*
<b>Autoignition Temperature (°C):</b>	515*
<b>% Volatile by Volume:</b>	100
<b>Melting Point/Range (°C):</b>	-86*
<b>Boiling Point/Range (°C):</b>	79.6*
<b>pH:</b>	N App
<b>Viscosity:</b>	N Av

\* Values for methyl ethyl ketone  
(Typical values only - consult specification sheet)  
N Av = Not available      N App = Not applicable

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## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** No information available.

**Incompatible Materials:** Oxidising agents.

**Hazardous decomposition products:** No information available.

**Hazardous reactions:** No information available.

## 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:

### Acute Effects

**Inhalation:** Vapour is irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and, if exposure is prolonged, unconsciousness.

**Skin contact:** Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Eye contact:** Liquid and vapours are irritating to eyes. Contact can cause corneal injury.

**Ingestion:** Will cause corrosion and damage of the gastrointestinal tract. Swallowing can result in nausea, vomiting and central nervous system depression. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause broncho- pneumonia or pulmonary oedema.

**Long Term Effects:** No information available for product.

### Acute toxicity / Chronic toxicity

No LD50 data available for the product. However, for the constituent:

Methyl ethyl ketone

Oral LD50 (rat):	2,737 mg/kg
Inhalation LC50 (rat):	23,500 mg/m <sup>3</sup> /8 hr
Dermal LD50 Range (rabbit):	5,000-13,000 mg/kg
EYES (rabbit):	Moderate irritant. Eye irritation reported in humans exposed to vapour at 350 ppm

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## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**UN No:** 1993  
**Dangerous Goods Class:** 3  
**Packing Group:** II  
**Hazchem Code:** ●3YE  
**Emergency Response Guide No:** 14

**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (containing METHYL ETHYL KETONE)

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**UN No:** 1993  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (containing METHYL ETHYL KETONE)

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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**UN No:** 1993  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (containing METHYL ETHYL KETONE)

## 15. REGULATORY INFORMATION

**Poisons Schedule (Aust):** S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

### Literary reference

This Material Safety Data Sheet has been prepared by EIAS Pty Ltd on behalf of its client.

Reason(s) For Issue: Review

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Bostik Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.