

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product Name: Citrus Rust Converter (Polymer Type)  
 Product Code: Eurolube Formula 5333  
 General Description: Citrus-based, non-toxic product to convert rust to polymer

### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

Identified uses: neutralizes and reacts with rust to produce polymer layer

### 1.3 Details of the supplier of the safety data sheet

Name of Supplier: United Resources Marketing Services Pte Ltd  
 Address of Supplier: 20 Bukit Batok Crescent  
 #05-20 Enterprise Centre  
 Singapore 658080  
 Telephone: +65 6764 3172 (main)  
 Fax: +65 6764 5615  
 Email: [enquiry@unitedrm.com.sg](mailto:enquiry@unitedrm.com.sg)

### 1.4 Emergency telephone number: +65 6764 3172

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008 [EU -GHS/CLP], labelling and packaging of substances and mixtures
- In compliance with The Dangerous Substances Directive (67/548/EEC)

### 2.2 Label elements

Pictogram

- N. A-

**This product is not classified under**

Risk Phrases:

- Irritating to eyes (R38)
- May cause sensitization by skin contact

(R43) Safety Phrases:

- Avoid contact with skin and eyes (S24/25)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable gloves and eye/face protection (S37/39)
- If swallowed, seek medical advice immediately and show this container or label (S46)

### 2.3 Other hazards

- Prolonged or repeated contact with skin may cause irritation and dermatitis.
- Ingestion may cause gastro-intestinal disturbances

## 3. COMPOSITION / INFORMATION OF INGREDIENTS

Risk phrases in this section apply only to raw material, not necessarily finished product. See Hazards Identification (Section 2).

Material	Conc %	CAS Number	EC Number	R/H Phrases	Symbols
D'limonene	5 - 10	94266-47-4	227-813-5	R10,38,43	F
Vinyl/Acrylic Emulsion	20 - 25	Proprietary	Proprietary	-	-
Thickener	1 - 5	Proprietary	Proprietary	-	-
Tannic Acid	5 - 10	6834-92-0	229-912-9	R34	C
Preservatives	1 - 5	Proprietary	Proprietary	-	-

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

- IF ON SKIN:** Prolonged contact may aggravate skin condition and may cause dermatitis for some individuals. Wash with soap and water and apply emollient cream.
- IF IN EYES:** May cause redness and discomfort to the eye. Rinse with clean water for 10 minutes. If condition persists seek medical attention immediately.
- IF INGESTED:** May cause stomach discomfort. Rinse oral cavity with clean water, followed by drinking a pint of water. If condition persists seek medical attention immediately.
- IF INHALED:** Inhalation of spray may cause irritation of mucous membranes. Facilitate fresh air to the affected person immediately. Keep warm and rest. Seek medical attention immediately.

##### 4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes and sensitization to skin

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#### 5. FIRE FIGHTING MEASURES

##### 5.1 Suitable (and unsuitable) extinguishing media

- Product is non-flammable. Use fire-extinguishing material (water-fog, foam, dry chemical or carbon dioxide) suitable for the surrounding conditions. Avoid using straight streams of water.

##### 5.2 Specific hazards arising from the chemical

- Noxious fumes may be evolved if product is involved in a fire.

##### 5.3 Special protective equipment and precautions for fire-fighters

- Wear positive pressure, self-contained breathing apparatus for fire-fighting.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear personal protective clothing as described in Section 8.3.

##### 6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.

##### 6.3 Methods and materials for containment and cleaning up

- Clean up with absorbents, sand or earth. Scrap or shovel up and transfer to suitable container. Cleanse affected area with plenty of water to prevent slip and fall. See 'Disposal Considerations' (Section 13).

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#### 7. HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

- Wear personal protective clothing as described in Section 8.3
- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available

##### 7.2 Conditions for safe storing, including any incompatibilities

- Store in original container, well-ventilated and at temperatures 10°C – 30°C.
- Store away from direct sunlight
- Store away from foodstuffs and keep out of reach of children.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

- D-limonene [AIHA (TWA) 165.5 mg/m<sup>3</sup>]

##### 8.2 Appropriate engineering controls

- No special ventilation if required. Product does not release / release minimal vapour

##### 8.3 Individual protection measures

- |                         |   |
|-------------------------|---|
| Hands protection:       | Use suitable protective gloves.   |
| Eyes protection:        | Wear approved safety goggles.   |
| Respiratory protection: | No specific recommendation, but respiratory protection may still be required in exceptional situations when excessive air contamination exists. |
| Other protection:       | Wear appropriate clothing.  |
| Hygiene Measures:       | Make eyewash and showers accessible. Wash at the end of each work shift and before meals.   |



Gloves



Coverall



Goggles

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	White Emulsion
Odour	Citrus
pH	6.5 ± 0.1 at 100% concentration
Flash point	Not applicable
Flammability	Non-flammable
Vapour pressure	Not known
Vapour density	Not known
Specific gravity	1.02 ± 0.02
Solubility	Low miscibility with water

## 10. STABILITY AND REACTIVITY

### 10.1 Chemical Stability

- This mixture is stable for storage and use under normal conditions. Keep away from heat source or direct sunlight. Separation may occur under such environment but product can be shaken to re-attain homogeneous state.

### 10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose. Polymerization will not occur.

### 10.3 Conditions to avoid

- Avoid overheating.

### 10.4 Incompatible materials

- Keep away from strong acids and strong oxidising agents. Product efficacy may be affected.

### 10.5 Hazardous decomposition products

- No hazardous decomposition products known

## 11. TOXICOLOGICAL INFORMATION

This product has no or low toxicological effects but prolonged contact with skin might cause irritation and dermatitis. Contact with eyes should be limited to mild conjunctivitis however adequate rinsing should be carried out immediately. This product has low toxicity but may cause irritation and stomach upset if ingested.

### 11.1 Information on toxicological effects

- Not known

### 11.2 Inhalation

- No adverse effects are anticipated from single exposure to vapour. Irritation may develop under severe exposure.

### 11.3 Contact with skin

- Prolonged skin contact might result in defatting of the skin, leading to irritation and even dermatitis.

### 11.4 Contact with eyes

- May cause severe irritation to eyes.

### 11.5 Ingestion

- No effects for small dosage, large dosages may cause gastro-intestinal disturbances.

## 12. ECOLOGICAL INFORMATION

### 12.1 Eco-toxicity

- Mixture is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100mg/L in the most sensitive species tested).

### 12.2 Persistence and degradability

- The components in this mixture are mostly inherently biodegradable

### 12.3 Bio-accumulative potential

- Bioaccumulation of the components in this product is insignificant

#### 12.4 Mobility in soil

- Insoluble in water

#### 12.5 Other adverse effects

- The components in this mixture are considered to cause low/no aquatic toxicity

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### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Disposal of Product

- Product is generally safe to be discharged not recommended due to its insolubility in water. Product is intended to be applied on surfaces and should not be discharged into waterways. Recommended to discharge into authorized waste collection point. Disposal should be done in compliance to local regulations.

#### 13.2 Disposal of Packaging

- Recycle used containers only if facilities are available else incineration is recommended.
- Otherwise, use landfill as alternative disposable option. Be sure to comply with local authority regulation.

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### 14. TRANSPORT INFORMATION

#### 14.1 Basic information for transport

- UN Number: Not classified
- UN Proper shipping name: Not classified
- Transport Hazard class(es): Not classified
- Packing group: Not classified
- Marine pollutant (Y/N): N

#### 14.2 Special precautions for user

- Not classified as hazardous for transport

#### 14.3 Other information

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### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations specific for the product

- Regulation (EC) No 1272/2008 [EU -GHS/CLP], labelling and packaging of substances and mixtures
- The Dangerous Substances Directive (67/548/EEC)
- Regulation (EC) No. 1907/2006

#### 15.2 Safety, health and environmental regulations specific for the product

- No data available

#### 15.3 Chemical Safety Assessment

- No data available

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### 16. OTHER INFORMATION

Data from the following sources have been used to compile this document.

HSE - EH40/93: Occupational exposure limited 1993. Suppliers Health and Safety Data.

HSE - EH29/93: Occupational skin diseases: Health and Safety Precaution

HSC - Safety Data Sheets for substances and preparation dangerous for supply.

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#### NOTE:

The information presented is accurate to the best of our knowledge. Since any applications and conditions of use are outside of our control, all recommendations and suggestions must be made without guarantee.

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