



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
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www.rubbersolutionsap.co.nz.

**Rubbersolutions Asia-Pacific Ltd**

# **SAFETY DATA SHEET**

**Ambient ground rubber crumb**

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## **1. IDENTIFICATION**

Product Name: Ambient ground rubber crumb derived mainly from recycled truck tyre rubber.

Other Names: N/A

Chemical Family: Recycled tyre rubber

Molecular formula: N/A

Recommended Use: Various Industrial Processes. Typical uses include roading (meets standards for use by various road authorities in Australia) adhesives, sealants and general rubber products

Supplier: Rubber Solutions Asia-Pacific Ltd

ABN: PO Box 40-604 Upper Hutt

Street Address: South Pacific Industrial Park, Railway Ave, Upper Hutt

Telephone: 64-4-5285071

Fax: 64-4-5285074

Emergency phone: 027-2274026

All other inquiries: 027-2274026

## **2. HAZARDS IDENTIFICATION**

Product is classified non Hazardous

**HSNO Classifications:** none

**Signal word:** n/a

**Risk Phrases:**

HH20 May cause an allergic skin reaction

HH32 May cause irritation of the respiratory tract

HH19 May cause eye irritation

**Safety Phrases:**

PP60 Do not breathe dust/fumes

PP89 Use personal protective equipment as required

PR21 If eye irritation persists, get medical advice/attention

Dangerous Goods Classification: n/a

Poisons Schedule n/a

Date of Issue: 12/03/15

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Date of Review: 04/04/17



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### 3. COMPOSITION: Information on Ingredients

Exact composition varies according to the tyre treads being recycled.

Chemical Ingredient	CAS No.	Proportion (%w/v)
Polymer	Generic Types	45 approx
Carbon Black	Generic Types	40 approx
Organic Materials	Generic Types	15 approx

### 4. FIRST AID MEASURES

For advice, contact a doctor.

#### Ingestion:

If swallowed in large quantities do not induce vomiting. Immediately rinse mouth with water. If victim is rapid losing consciousness, or convulsing do not give anything by mouth. As the effect of ingestion of rubber has not been determined, only obtain medical assistance if large quantities have been ingested.

#### Eye Contact:

Do not rub eye, this may cause particles to scratch the eye. Hold eyelids apart & flush the eye. Take care not to flush rubber into the unaffected eye. Neutral saline can be used if available. Seek medical help if irritation persists.

#### Skin Contact:

Wash thoroughly with soap and water, and apply a lanolin based hand cream if needed.

#### Inhalation:

Remove from contaminated area to fresh air immediately. Assist breathing if necessary. Consult a physician if irritation develops.

If ignited, this product will release toxic and irritating smoke. Smoke may contain noxious compounds, and acid compounds of sulphur.

#### First Aid facilities:

Normal facilities will be sufficient.

#### Medical Attention:

Treat according to symptoms.



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### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media:

Dry chemical, foam, CO<sub>2</sub>, water spray. Do not use high pressure water, as that will spread the crumb.

#### Hazards from combustion products:

Oxides of Carbon and Nitrogen. Other unidentified hydrocarbons.

#### Precautions for fire fighters and special protective equipment:

Full protective clothing, self-contained breathing apparatus.

#### Hazchem Code:

n/a

Note, fight fire with similar procedures as used for burning tyres.

### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Procedures

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Observe all local chemical disposal regulations. Refer to local waste management authority for very large spills.

#### Methods and materials for containment

##### **Major Land Spill**

Refer to local waste management authority for very large spills

##### **Major Water Spill**

-Notify the port or relevant authority; however product is not expected to cause problems

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

This product is combustible. Transport in bags, and keep away from heat and strong oxidising agents

#### Conditions for safe storage

Keep away from heat and strong oxidising agents.

#### Incompatible materials

N/a



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### 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

#### National Exposure Standards

No occupational exposure standards are recommended by the National Occupational Health and Safety Commission (NOHSC) or other major overseas jurisdiction.

#### Biological limit values

None specified

#### Engineering Controls: Ventilation

Under normal operating conditions use in a well-ventilated area.  
Avoid generating atmospheres of rubber dust. Keep the product in bags when not in use, and store in a cool dry location. Local exhaust ventilation is recommended when using in areas with poor natural ventilation.

#### Personal Protective Equipment

##### **Respiratory Protection:**

If used in an area with poor ventilation, wear a dust mask.

##### **Eye Protection:**

Safety glasses with side shields should be worn when handling.

##### **Skin/Body Protection:**

Wear gloves for routine industrial use.

Wear clothing suitable for the task.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance		Black rubber crumb granules
Boiling Point	°C	Not available
Flash Point	°C	>250
Specific Gravity @ 20°C	g/ml	1.15
Vapour Pressure @ 20 °C	kPa	Not available
Flammability Limits (v/v%)	%	Not available
Solubility with Water	%w/w	insoluble

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The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

### **10. STABILITY AND REACTIVITY**

#### **Chemical Stability**

Combustible

#### **Conditions to avoid**

Keep away from heat and strong oxidising agents

#### **Hazardous decomposition products**

Oxides of Carbon and Nitrogen. Other unidentified hydrocarbons.

#### **Hazardous reactions**

n/a

### **11. TOXICOLOGICAL INFORMATION**

#### **Acute Effects**

##### ***Ingestion***

May cause health effects in large amounts.

##### ***Eye Contact***

May cause irritation to the eyes but will not permanently damage eye tissue unless through physical trauma.

##### ***Skin Contact***

Unlikely to cause Irritation

##### ***Inhalation***

May cause irritation to respiratory tract.

#### **Chronic Effects**

None known

#### **Other Health Effects Information**

n/a



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## Toxicological Information

n/a

## **12. ECOLOGICAL INFORMATION**

### Eco toxicity

#### **Aquatic Toxicity**

No adverse effects on aquatic organisms.

#### **Persistence/degradability**

Available from Rubber Solutions on request.

#### **Mobility**

Not Available

## **13. DISPOSAL CONSIDERATIONS**

### Disposal Methods

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Observe all local chemical disposal regulations. Refer to local waste management authority for very large spills.

### Special Precautions for Landfill or Incineration

Suitable for landfill.

## **14. TRANSPORT INFORMATION**

Road and Rail Transport		Marine Transport		Air Transport	
<b>UN No.</b>	n/a	<b>UN No</b>	n/a	<b>UN No</b>	n/a
<b>Proper Shipping Name</b>	Rubber Crumb	<b>Proper Shipping Name</b>	Rubber Crumb	<b>Proper Shipping Name</b>	Rubber Crumb
<b>DG Class</b>	n/a	<b>DG Class</b>	n/a	<b>DG Class</b>	n/a
<b>Sub Risk</b>	None	<b>Sub Risk</b>	None	<b>Sub Risk</b>	None
<b>Pack Group</b>	n/a	<b>Pack Group</b>	n/a	<b>Pack Group</b>	n/a
<b>Hazchem</b>	n/a	<b>Hazchem</b>	n/a		n/a

### Dangerous Goods Segregation

Not classed as dangerous goods.



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### 15. REGULATORY INFORMATION

**Country/Region:** New Zealand

**Inventory:** NZCIC

**Status:** Not Listed

Poisons Schedule: None established

### 16. OTHER INFORMATION

Reasons for issue: Update to include extra information.

Abbreviations:

NZCIC. NZ Chemical Industry Council

CAS Number: Chemical Abstracts Number

**References:**

- None

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Rubber Solutions Asia-Pacific Ltd.

Link to: [Rubber Solutions web page](#)