



# SAFETY DATA SHEET

**GREENPAVE™ U**

Infosafe No.: LQAX6  
ISSUED Date : 08/12/2021  
ISSUED by: Citywide Asphalt Group (Aus)  
Pty Ltd

## Section 1 - Identification

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**Product Identifier**

GREENPAVE™ U

**Company Name**

Citywide Asphalt Group (Aus) Pty Ltd (ABN 19 608 698 700)

**Address**

208 Arden Street North Melbourne  
VIC 3051 AUSTRALIA

**Telephone/Fax Number**

Tel: 0429 578 227

**Emergency Phone Number**

1800 161 357

**Recommended use of the chemical and restrictions on use**

Construction and maintenance of asphalt infrastructure (e.g. roads, footpaths, carparks).

## Section 2 - Hazard(s) Identification

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**GHS classification of the substance/mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

## Section 3 - Composition and Information on Ingredients

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### Ingredients

Name	CAS	Proportion
Mineral Aggregate		60-100 %
Iron oxides		10-20 %
Silica crystalline - quartz	14808-60-7	<10 %
Bitumen	8052-42-4	<10 %
Lime	1305-78-8	<10 %
Amorphous silica	7631-86-9	<10 %
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	<2 %
Magnesium oxide	1309-48-4	<2 %
Calcium hydroxide (Ca(OH) <sub>2</sub> )	1305-62-0	0-1 %
phosphorus pentoxide	1314-56-3	<1 %
Ingredients determined not to be hazardous		Balance

### Other Information

The lime and calcium hydroxide are blended into the product.

## Section 4 - First Aid Measures

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### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### Skin

If molten material adheres to skin, do not attempt to remove. Cool with cold water, wrap loosely with bandage or cloth and immediately seek trained medical attention. Contact with solid: Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### Eye

If in eyes, hold eyelids apart and flush the eyes continuously with cool running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention. Adhered material should only be removed under medical direction.

### First Aid Facilities

Eyewash and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

## Section 5 - Firefighting Measures

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### Suitable Extinguishing Media

Use carbon dioxide, dry chemical, foam, water mist or water spray.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### Specific hazards arising from the chemical

Combustible but is unlikely to catch fire.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## Section 6 - Accidental Release Measures

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### Emergency Procedures

Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS. Clear area of all unprotected persons. Ensure area is well ventilated. Stop source of spill if safe to do so. Contact emergency services where appropriate.

Contain material and prevent from entering drains and waterways. Due to semi solid product form, material is unlikely to move beyond immediate area of spill.

Use machinery (e.g. skid steer loader) or shovels, as appropriate for size of spill, to collect material and place into truck body, machine hopper or other suitable container for reuse or disposal in accordance with Section 13 of the SDS.

Use stiff bristle broom or suction sweeper to remove loose aggregates from spill area.

If material enters waterways, drainage lines or sewers, contact authorities in accordance with local regulations.

## Section 7 - Handling and Storage

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### Precautions for Safe Handling

Avoid contact with material. Avoid inhalation of vapours, dusts and mists, and skin or eye contact. Use only in a well ventilated area.

Prevent the build up of dusts, mists or vapours in the work atmosphere. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Have appropriate fire extinguishers available in and near the storage area.

## Section 8 - Exposure Controls and Personal Protection

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Bitumen fumes

TWA: 5 mg/m<sup>3</sup>

Magnesium oxide (fume)

TWA: 10 mg/m<sup>3</sup>

Fumed silica (respirable dust)

TWA: 2 mg/m<sup>3</sup>

Crystalline Silica (Quartz)

TWA: 0.05 mg/m<sup>3</sup>

Calcium oxide

TWA: 2 mg/m<sup>3</sup>

Oil mist, refined mineral

TWA: 5 mg/m<sup>3</sup>

Iron oxide (fume)

TWA: 5 mg/m<sup>3</sup>

Chromium metal

TWA: 0.5 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Source: Safe Work Australia

### Biological Monitoring

No biological limits allocated.

### Control Banding

Not available

### Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours, mists or dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to relevant regulations for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye and Face Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear heat resistant insulated gloves when handling hot material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Thermal Hazards

No further relevant information available.

### Footwear

Wear heat resistant safety boots during manual handling and storage operations of this product.

### Body Protection

Suitable protective workwear such as long cotton trousers and long sleeve shirt or cotton overalls buttoned at neck and wrist is recommended.

## Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Solid	Appearance	Solid black mixture with aggregate at ambient temperature
Colour	Black	Odour	Oily
Melting Point	Not available	Boiling Point	Not available
Decomposition Temperature	Not available	Solubility in Water	Insoluble
pH	Not applicable	Vapour Pressure	Not available
Relative Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Partition Coefficient: n-octanol/water (log value)	Not available	Density	Not available
Flash Point	>200°C	Flammability	Not flammable
Auto-Ignition Temperature	Not available	Explosion Limit - Upper	Not available
Explosion Limit - Lower	Not available	Explosion Properties	Not available
Oxidising Properties	Not available		

## Section 10 - Stability and Reactivity

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### Reactivity

Reacts with incompatible materials.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Possibility of hazardous reactions

Will react with incompatibles.

### Conditions to Avoid

Avoid sparks, open flames and other sources of ignition.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### Reactivity and Stability

Not available

### Hazardous Polymerization

Will not occur.

## Section 11 - Toxicological Information

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### Toxicology Information

No toxicity data available for this material.

### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

### Skin

Contact with hot product can cause severe irritation and thermal burns with permanent scarring of tissue. Contact with solid may be irritating to skin. The symptoms may include redness, itching and swelling.

### Eye

Contact with hot product can cause severe irritation and thermal burns with permanent scarring of tissue. Contact with solid may be irritating to eyes. The symptoms may include redness, itching and tearing.

### Respiratory Sensitisation

Not expected to be a respiratory sensitiser.

### Skin Sensitisation

Not expected to be a skin sensitiser.

### Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

### Carcinogenicity

Not considered to be a carcinogenic hazard.

Respirable crystalline silica is classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1).

Bitumen is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Silica, amorphous and chromium metal are listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

### Reproductive Toxicity

Not considered to be toxic to reproduction.

### STOT - Single Exposure

Not expected to cause toxicity to a specific target organ.

**STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

## Section 12 - Ecological Information

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**Ecotoxicity**

No ecological data are available for this material.

**Persistence and degradability**

Not available

**Mobility**

Insoluble in water.

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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**Disposal Considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. To minimise personal exposure to the chemical, refer to Section 8—Exposure controls and personal protection.

## Section 14 - Transport Information

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**Transport Information**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**ADG U.N. Number**

None Allocated

**ADG Proper Shipping Name**

None Allocated

**ADG Transport Hazard Class**

None Allocated

**Special Precautions for User**

Not available

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

## Section 15 - Regulatory Information

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### **Regulatory Information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### **Poisons Schedule**

Not Scheduled

### **Montreal Protocol**

Not listed

### **Stockholm Convention**

Not listed

### **Rotterdam Convention**

Not listed

### **International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

### **Agricultural and Veterinary Chemicals Act 1994**

Not available

### **Basel Convention**

Not available

## **Section 16 - Any Other Relevant Information**

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### **Date of Preparation**

SDS created: December 2021

### **Version Number**

1.0

### **Literature References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals. (7th revised edition)

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## **END OF SDS**

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