

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1: Identification of the material and the supplier

Product: **Recycled Asphalt**
 Product Use: Construction Products
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Downer Group NZ**
 Address: 39-59 Miami Parade
 Onehunga

Telephone: +64 9 251 0340
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 28 August 2024

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Mineral aggregate	60-100	-
Limestone	0-10	1317-65-3
Bitumen	0-10	8052-42-4
Non-hazardous additives	0-10	-
Fly Ash	0-5	-

Notes:

Fly ash may be present in this material at <=5%. It may consist of crystalline silica (CAS 14808-60-7), ashes residues (CAS 68131-74-8), amorphous silica (CAS 7631-86-9) and aluminosilicate (CAS 1302-93-8). Based on similar materials it is expected that at these levels the respirable fraction of crystalline silica would be <0.1%.

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	Not applicable
Inhalation:	Coughing, wheezing, shortness of breath
Skin:	Redness, rash, itchiness
Eye:	Redness, lacrimation

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Not applicable
Suitable Extinguishing media	Use carbon dioxide, dry chemical, foam, water spray or water fog
Precautions for firefighters and special protective clothing	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. If there is a significant chance that dusts are likely to build up in the cleanup area, we recommend that you use a dust mask. Usually, no respirator is necessary when using this product. Evacuate all unnecessary personnel.

Do not allow to enter drains and water courses.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Dispose of in compliance with local and/or national regulations.

Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

Section 7. Handling and Storage

Precautions for Handling:

- Avoid inhalation of dust, skin and eye contact
- Use only in a well-ventilated area
- Keep containers sealed when not in use.
- Remove dust accumulation regularly

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in a well-ventilated area, away from sources of ignition

Section 8. Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	mg / m ³	STEL ppm	Mg / m ³
Crystalline Silica (quartz and cristobalite)	-	0.1	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). 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 change, or narcosis 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. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.

Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone.

Personal Protection Equipment



Eyes	Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used
Hands	Wear gloves of impervious material.
Skin	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
Respiratory	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/ particulate filter should be used
General	Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

Section 9. Physical and Chemical Properties

Appearance	Solid aggregate mixture
Colour	Black/grey
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	> 200°C
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	2 - 2.4 kg/l (20°C)
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Not available

Section 11. Toxicological Information

Acute Effects:

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is not classified as acutely toxic.
Eye	This product is not classified as an eye irritant/corrosive.
Skin	This product is not classified as a skin irritant/corrosive.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Section 12. Ecotoxicological Information

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Product:

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

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.

Precautions or methods to avoid:

Avoid release to the environment.

Section 14. Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ;
NZS 5433:2020 and SNZ HB 5433:2021**

Section 15. Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16. Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value—an exposure limit set by responsible
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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