Bitumen Emulsion

Safety Data Sheet

Section 1: Identification of the substance and supplier

Product Name	Bitumen Emulsion
Product Properties	Emulsion
Other Names	EnviroTack, EnviroBind, EnviroSeal, Dust Seal, EnviroPlus Seal, EnviroBase, EnviroShield, EnviroPatch, AntiFlush Seal
Recommended Use	For road construction
Company Details	Road Science
Address	345 Matakokiri Drive, Omanawa, Bay of Plenty 3110
Telephone Number	0800 180 200
Emergency Telephone Number	**07 575 1150 24hr / 7 days or National Poisons Centre 0800 POISON (0800 764 766)**

Section 2: Hazards identification

Hazard statements	No significant hazard

Section 3: Composition/Information on ingredients

Chemical Name	Index Number.	Cas Number	EC Number	Conc. (%w/w)	Classification Number
Amidoamine	31/03/2010	1379524-06-7	800-353-8		Skin Corr 1B:H314 Skin Sens 1:H317 Eye Dam 1:H318 Aquatic Acute 1:H400 Aquatic Chronic 1:H410
Bitumen (asphalt, petroleum fumes)		8052-42-4	232-490-9	50-80%	
Water		7732-18-5	231-791-2	20-40%	

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Section 4: First aid measures

First Aid Instructions:

Inhalation: May cause irritation to mucous membranes. Move the exposed person to fresh air.

Skin Contact: May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye Contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Ingestion: May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

Section 5: Fire fighting measures

Clear fire area of all non-emergency personnel.

Extinguishing Media: Use extinguishing media appropriate to the surrounding fire conditions

Specific hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

Advice for Fire Fighters: Wear suitable respiratory equipment when necessary

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation of the working area.

Environmental Precautions: Do not allow product to enter drains. Prevent further spillage if safe.

Methods and Material for Containment and Clean Up: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

Section 7: Handling and storage

Precautions for Safe Handling: Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing

Conditions for Safe: Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

Section 8: Exposure control/personal protection

Exposure limit values bitumen (Asphalt, petroleum fumes)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 5 WEL 15 min limit mg/m3: 10 WEL 15 min limit mg/m3 total inhalable dust: -WEL 15 min limit mg/m3 total respirable dust
Exposure controls	Appropriate engineering controls Individual protection measures Eye/face protection Skin/Hand protection	Ensure adequate ventilation of the area. Wear protective clothing. In case of splashing, wear: approved safety goggles. PVC gauntlet gloves

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Section 9: Physical and chemical properties

Appearance	Liquid	Vapour pressure	No data available
Colour	Brown	Vapour density	No data available
Odour	Slight	Relative density	~ 1 (H2O = 1 @ 20 °C)
Freezing point	~0 °C	Autoignition temperature	N/A
Initial boiling point	~100 °C	Explosive properties	N/A
Flash point	No data available		

Section 10: Stability and reactivity

Reactivity: Alkalis.

Chemical stability: Stable under normal conditions.

Conditions to avoid: Do NOT allow to freeze. Protect from frost.

Incompatible materials: Alkalis.

Hazardous decomposition products: No data available

Section 11: Toxicological information

Information on toxicological effects: No Significant Hazard.

Section 12: Ecological information

Toxicity Amidoamine:

Daphnia EC50/48h: 1 mg/l

Algae IC50/72h: 0.01 mg/l

Section 13: Disposal considerations

General information – Dispose of in compliance with all local and national regulations.

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Section 14: Transport information

UN Number	The product is not classified as dangerous for carriage
UN Proper Shipping Name	The product is not classified as dangerous for carriage
Transport Hazard Class	The product is not classified as dangerous for carriage
Subsidiary Risk	None allocated
Packing Group	The product is not classified as dangerous for carriage
Environmental Hazards	The product is not classified as dangerous for carriage
Special Precautions for user	The product is not classified as dangerous for carriage
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	The product is not classified as dangerous for carriage
Additional Information	The product is not classified as dangerous for carriage

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:	**Safety data sheets**: according to Regulation (EC) No. 1907/2006 UK REGULATION Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002
A chemical safety assessment	A chemical safety assessment has not been carried out..

Section 16: Other information

Revision Indicator Issued: 1 October 2015
Revised: 14 May 2021
27 November 2025

SDS Regulation The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO CoP 8-1 09-06): Preparation of Safety Data Sheets.

Uses and Restrictions This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier.

SDS Distribution The information in this document should be made available to all who may handle the product

Text of Hazard Statement in Section 3:
TSkin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Further Information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee..

Need more information? At Road Science, we're committed to providing innovative solutions backed by engineering expertise. If you have any questions about this product, need technical guidance, or want to discuss how it fits your specific project needs, our team is here to help. Contact us today for expert advice and tailored support. Contact us via **0800 180 200** or visit our website at **roadscience.co.nz** to learn more.

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