

Date of issue: 26.04.19

NZ Safety Data Sheet

<b>1. Identification of the Substance/Mixture and Supplier.</b>		
Product Name:	NURABOARD	
Uses:	Mineral Surface Fiberglass Reinforced Asphaltic Core Board, Protection Board, Roof Walkway Board	
Supplier:	Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand.	
Telephone:	+64 9 579 2046	
Web:	www.nuralite.co.nz	
Emergency Telephone:	027 5350899 (General Manager) – 24 hrs	
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs	
<b>2. Hazards Identification.</b>		
<b>HSNO Status:</b>	Not Classified as hazardous according to the criteria of HSNO.	
<b>DG Status:</b>	Not classified as Dangerous Goods according to NZS 5433.	
The products listed above are considered end-use or manufactured articles, and are not included in the scope of WHMIS 2015 and Globally Harmonization System (GHS). As such, the GHS/WHMIS labelling elements and classification are not included on this SDS.		
<b>3. Composition/Information on Ingredients.</b>		
<b>Chemical Entity</b>	<b>CAS Number</b>	<b>Proportion %w/w</b>
Oxidized Asphalt (Bitumen)	64742-93-4	20 - 25
Limestone	1317-65-3	70 – 80
Fiberglass Mat	N/A	0 - 5
Note: During heat welding or hot mopping of product (if applicable), small amounts of toxic hydrogen sulphide H <sub>2</sub> S (CAS 7783-06-4) may be generated.		
<b>4. First Aid Measures.</b>		
<b>Swallowed</b>	Not expected to be ingested. If ingested: rinse mouth, drink plenty of water and immediately call for medical help.	
<b>Inhaled</b>	If affected by asphalt odour or if exposed to asphalt fumes (when heated), remove victim to fresh air. Seek medical aid for significant exposure to asphalt fumes or if symptoms persist.	
<b>Eye Contact</b>	Flush affected eye in a stream of water for at least 15 minutes. Consult doctor if eye(s) are inflamed.	
<b>Skin Contact</b>	Routine first aid treatment for cuts and abrasions from handling. Wash hands with soap and water after handling. For contact with heated product, cool body part by water immersion or shower. Do not try to remove product from affected area. Seek immediate medical attention.	
<b>Further Information</b>	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.	

Date of issue: 26.04.19

NZ Safety Data Sheet

5. Fire-Fighting Measures.			
<b>Suitable extinguishing media</b>	Water spray, dry chemical, or carbon dioxide		
<b>Hazardous combustion products</b>	Decomposition products may include: COx, SOx, NOx, smoke, hydrogen sulphide.		
<b>Special precautions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.		
<b>Special protective equipment for fire fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.		
6. Accidental Release Measures.			
<b>Personal precautions</b>	Ensure adequate ventilation. If in heated state, allow material to cool down before removal. Wear personal protection equipment as described in section 8, Exposure Control and Personal Protection.		
<b>Environmental precautions</b>	No data.		
<b>Spill</b>	Normal housekeeping measures. Pick up large pieces and dispose of in accordance with local regulations.		
7. Handling and Storage.			
<b>Handling</b>	When handling the material, wear the appropriate personal protective equipment described in section 8, Exposure Control and Personal Protection.		
<b>Storage</b>	Store in a dry location protected from the elements, high temperature and flames/sparks.		
8. Exposure Control/Personal Protection			
<b>Exposure Standards</b>			
<b>Product/Ingredient</b>	<b>WES/TWA</b>	<b>WES/STEL</b>	<b>Reference</b>
Oxidized Asphalt (Bitumen) Fumes	0.5 mg/m <sup>3</sup>	-	ACGIH
Hydrogen Sulfide	10 ppm 14 mg/m <sup>3</sup>	15 ppm 21 mg/m <sup>3</sup>	NZ WES
<b>Engineering Controls</b>	General ventilation and local exhaust should be suitable to keep dust/fume concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.		
<b>Personal Protection</b>			
Respiratory	Not required under normal conditions of use. Wear respiratory protection if dust or asphalt fume levels are above standard exposure limits.		
Eyes	Wear safety glasses.		
Hands	Wear protective gloves.		
Other	Wear overalls or dust coat.		
9. Physical and Chemical Properties			
<b>PROPERTY</b>	<b>SPECIFICATION</b>		
Physical state	Solid sheet material		
Colour	Black		
Odour	Slight asphalt odour		

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## NZ Safety Data Sheet

pH	No data
Boiling Pt	No data
Flash Pt	Not flammable
Melting Pt	No data
Explosive properties	No data
Vapour pressure	No data
Relative Density	>1.0
Water Solubility	Insoluble
Viscosity	Not applicable
Ignition temperature	No data
<b>10. Stability and Reactivity</b>	
<b>Stability</b>	The product is stable at ambient temperatures.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Avoid excessive heat.
<b>Incompatible materials</b>	Strong oxidizers, strong acids, alkalis
<b>Hazardous decomposition products</b>	COx, SOx, NOx, smoke, hydrogen sulphide
<b>11. Toxicological Information</b>	
Health Effects – data from manufacturer (IKO):	
<p>WARNING: This product may contain oxidized bitumens. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumens and their emissions during roofing operations are probably carcinogenic to humans". This warning may be updated at such time as a final determination is made and IARC has published its monograph on the matter. IARC classification: Group 2A.</p> <p>The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumens and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapours or mists.</p>	
<b>Acute Oral Toxicity</b>	Not Classified
<b>Acute Dermal Toxicity</b>	Not Classified
<b>Acute Inhalation Toxicity</b>	Not Classified
<b>Acute Aspiration Toxicity</b>	Not Classified
<b>Skin Irritancy/Corrosion</b>	Not Classified
<b>Eye Irritancy/Corrosion</b>	Not Classified
<b>Respiratory Sensitisation</b>	Not Classified
<b>Skin Sensitisation</b>	Not Classified
<b>Mutagenic</b>	Not Classified
<b>Carcinogenic</b>	Not Classified Oxidized asphalt is listed as IARC Group 2A (probably carcinogenic to humans).
<b>Reproductive/Development Toxicity</b>	Not Classified
<b>STOT-SE</b>	Not Classified



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Exposure Routes:	
<b>Swallowed</b>	Ingestion is unlikely. If ingested, may cause irritation of the digestive tract.
<b>Inhaled</b>	Asphalt odour or asphalt fumes (when heated) may cause mild respiratory irritation, nausea, headache and/or dizziness
<b>Skin</b>	Possible skin irritation and dermatitis. If the product is heated, the hot material may cause thermal burns.
<b>Eyes</b>	If the product is heated, asphalt fumes are moderately irritating to the eye.
<b>12. Ecological Information</b>	
This product is not classified as Ecotoxic according to the criteria of HSNO.	
<b>Toxicity:</b> Data not available.	
<b>Persistence &amp; Degradability:</b> Data not available.	
<b>Mobility:</b> Data not available.	
<b>Bioaccumulative Potential:</b> Data not available	
<b>13. Disposal Considerations.</b>	
Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material via a licensed facility. See local council for disposal/recycling information.	
<b>14. Transportation Information.</b>	
Not regulated for transport	Keep separated from foodstuffs.
<b>15. Regulatory Information.</b>	
Not Classified as hazardous according to the criteria of HSNO.	
<b>16. Other Information.</b>	
HSNO = Hazardous Substances and New Organisms Act. NZ WES = New Zealand Work Exposure Standard TWA = Time Weighted Average STEL = Short Term Exposure Limit ACGIH = American Conference of Governmental Industrial Hygienists	
Date of SDS Preparation: 26 April 2019	

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.