



BituBOND Peel & Stick Tanking

Safety Data Sheet

July 2021

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product:

Product Name: BituBOND Peel & Stick Tanking
Other Names: CCW MiraDRI 860/861
Product Code: BPT

Product Description and Use:

Self-adhering rubberized asphalt membrane. Waterproofing membrane. For industrial use only.

Company Details:

Company: Sealco Limited
Address: Unit 5, 18 Taurus Place, Bromley, Christchurch
PO Box 35-190, Shirley, Christchurch
Telephone: 03 366 9495, 0508 292 837
Website: www.sealco.co.nz

Emergency Number: **National Poisons Centre**
0800 764 766

SECTION 2 – HAZARDS IDENTIFICATION

Classes:

6.3A
6.8A
6.9D (liver, kidneys, thymus)

Hazard Statements:

H315 - Causes skin irritation
H360 - May damage fertility or the unborn child
H371 – May cause damage to organs

DANGER Symbols



Signal Word: **Danger**

Precautionary Statements:

Prevention

P201 - Obtain special instructions before use
P202 - Do not use until all safety instructions have been read and understood
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink, or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area

Response**P308+P313** - IF exposed or concerned: Get medical advice/ attention**P302** - IF ON SKIN: Wash with plenty of soap and water**P330** - If skin irritation occurs: Get medical advice/attention**P362** - Take off contaminated clothing and wash before reuse**Storage****P405** - Store locked up.**Disposal****P501** - Dispose of contents/container in accordance with local regulations.**Other Hazards**

No additional information available.

SECTION 3 – INFORMATION ON INGREDIENTS

CAS / Identification	Component	Percent
64742-52-5	Distillates, petroleum, hydrotreated heavy naphthenic	5 – 10
8052-42-4	Asphalt	0 – 75
64742-93-4	Asphalt, oxidized	0 – 75
68955-27-1	Distillates, petroleum, petroleum residues vacuum	0 – 75
64741-56-6	Residues, petroleum, vacuum	0 – 75
Mixture	Fatty acids, tall-oil, low-boiling	0 - 4

SECTION 4 – FIRST AID MEASURES**Description of Necessary Measures**

If exposed or concerned: Call a POISON CENTER or doctor/physician.

Inhalation: Inhalation unlikely due to physical form. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.**Skin:** Wash exposed skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.**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/attention.**Ingestion:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

Most Important Symptoms/Effects**Acute:** Causes skin irritation. May cause damage to the kidneys, liver, thymus.**Delayed:** May damage fertility or the unborn child.**Note to Physicians:** Contains ASPHALT.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media - Use carbon dioxide, regular dry chemical, regular foam, or water.

Unsuitable Extinguishing Media – None known

Special Hazards Arising from the Chemical – Slight fire hazard.

Hazardous Combustion Products - Oxides of carbon, hydrocarbons

Special Protective Equipment and Precautions for Firefighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Remove all sources of ignition. Avoid inhalation of material or combustion by-products. Ventilate affected area. Absorb with earth, sand or other non-combustible material and transfer to container. Dispose in accordance with all applicable regulations.

Environmental Precautions

Avoid release to the environment.

SECTION 7 – HANDLING & STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Wear protective gloves/protective clothing/eye protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

KEEP OUT OF REACH OF CHILDREN.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up Store in a cool, dry place. Keep container tightly closed and in a well-ventilated place. Keep away from heat and ignition sources. Keep away from incompatible materials. Do not cut, puncture, or weld on or near this container.

Incompatible Materials

Strong acids, strong oxidizing agents

SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

NZ Workplace Exposure Standards

Ingredient	CAS	WES-TWA	WES-STEL
Asphalt	8052-42-4	5mg/m ³	Not available

Biological limit value - There are no biological limit values for any of this product's components.

Engineering Controls - Provide adequate ventilation. Ensure compliance with applicable exposure limits. Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection - Wear safety glasses. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection - Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Recommended material: protective skin cream.

Respiratory Protection - Due to physical form, inhalation is unlikely.

Glove Recommendations - Wear appropriate chemical resistant gloves.

Personal Protective Equipment:



SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance	Black rubberized asphalt on a black film	Physical State	Solid
Odour	Slight,petroleum	Colour	Black on black film
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	Not available
Freezing Point	Not available	Evaporation Rate	<0.01
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Auto-ignition	Not available	Flash Point	232°C (>450 °F)
Vapor Density (air=1)	Not available	Vapour Pressure	Not available
Water Solubility	Negligible	Specific Gravity (water=1)	Not available
Solubility (Other)	Not available	Viscosity	Not available
Density	1 - 1.2 (relative)	Partition coefficient:	Not available

SECTION 10 – STABILITY & REACTIVITY

Reactivity	No reactivity hazard is expected.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid heat, flames, sparks, and other sources of ignition. Avoid contact with incompatible materials.
Incompatible Materials	Strong acids, strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon, hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation - Not a likely route of exposure.

Skin Contact - Causes skin irritation.

Eye Contact - May cause mild eye irritation.

Ingestion - May cause gastrointestinal irritation.

Acute and Chronic Toxicity Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Asphalt (8052-42-4)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Asphalt, oxidized (64742-93-4)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Distillates, petroleum, petroleum residues vacuum (68955-27-1)

Oral LD50 Rat 4320 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Residues, petroleum, vacuum (64741-56-6)

Oral LD50 Rat 4320 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Fatty acids, tall-oil, low-boiling (Mixture)

Oral LD50 Rat >2000 mg/kg

Dermal LD50 Rat >2000 mg/kg

Immediate Effects - Causes skin irritation. May cause damage to the kidneys, liver, thymus.

Delayed Effects - May damage fertility or the unborn child.

Irritation/Corrosivity Data - May cause mild skin irritation. May cause mild eye irritation. May cause respiratory irritation.

Respiratory Sensitization - No data available.

Dermal Sensitization - No data available.

Component Carcinogenicity

Asphalt (8052-42-4)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)

IARC: Monograph 103 [2013]; Supplement 7 [1987] (extracts of steam-refined and air-refined); Monograph 35 [1985] (Group 2B (possibly carcinogenic to humans))

DFG: Category 2 (considered to be carcinogenic for man, aerosol, and vapor)

OSHA: Present

Asphalt, oxidized (64742-93-4)

IARC: Monograph 103 [2013] (and their emissions during roofing) (Group 2A (probably carcinogenic to humans))

OSHA: Present

Residues, petroleum, vacuum (64741-56-6)

IARC: Monograph 103 [2013] (Group 2B (possibly carcinogenic to humans))

OSHA: Present

Polycyclic aromatic hydrocarbons (130498-29-2)

NTP: Reasonably Anticipated To Be A Human Carcinogen

OSHA: Present

Germ Cell Mutagenicity - No data available.

Tumorigenic Data - No data available

Reproductive Toxicity - May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure - kidneys, liver, thymus

Specific Target Organ Toxicity - Repeated Exposure - No target organs identified.

Aspiration hazard - No data available.

Medical Conditions Aggravated by Exposure - No data available.

Additional Data - No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)

Fish: LC50 96 h *Oncorhynchus mykiss* >5000 mg/L

Invertebrate: EC50 48 h *Daphnia magna* >1000 mg/L IUCLID

Asphalt, oxidized (64742-93-4)

Algae: EC50 72 h *Pseudokirchneriella subcapitata* 56 mg/L IUCLID

Distillates, petroleum, petroleum residues vacuum (68955-27-1)

Fish: LC50 96 h *Brachydanio rerio* 48 mg/L [semi-static]

Residues, petroleum, vacuum (64741-56-6)

Fish: LC50 96 h Brachydanio rerio 48 mg/L [semi-static]

Fatty acids, tall-oil, low-boiling (Mixture)

Fish: LC50 96 h Brachydanio rerio 50 - 100 mg/L [semistatic]

Algae: EC50 72 h Pseudokirchneriella subcapitata >10 mg/L IUCLID

Invertebrate: EC50 48 h Daphnia magna 70 mg/L IUCLID

Persistence and Degradability - No information available for the product.

Bio-accumulative - Potential No information available for the product.

Mobility - No information available for the product.

Other Toxicity - No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 – TRANSPORT INFORMATION

Land Transport Rule: Dangerous Goods 2005 – NZS5433:2007 – There are no specific restrictions for this product (Not a Dangerous Good).

Shipping Name:	Not Applicable	Packing Group:	Not Applicable
UN #	Not Applicable	HAZCHEM Code	Not Applicable
Hazard Class:	Not Applicable	Precautions:	Not Applicable

SECTION 15 – REGULATORY INFORMATION

This product is not classified as Hazardous according to the criteria of the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Section 16 – OTHER INFORMATION

Review

Date	Reason for Review	Version
July 2021	Not applicable – New SDS	1

Disclaimer:

This SDS was prepared by Sealco Ltd and is based on our current knowledge, including information obtained by suppliers. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties and how the substance is used. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.