

Ablative Coating™

Safety Datasheet

ABLATIVE COATING™Issue Date: 01/03/2025
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1. SUBSTANCE IDENTIFICATION



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|-----------------------|---|
| Product Name | Ablative Coating™ |
| Product Form | Sealant |
| Prescribed Use | Fire Rated Coating for sealing bulkhead batts and penetrations. |

2. HAZARDS IDENTIFICATION**2.1 Classification of the Mixture**

GHS-US classification (Globally Harmonised System of Classification and Labelling of Chemicals (GHS)).

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| Aspiration Hazard, Category 2 | H305 |
| Skin Corrosion/irritation, Category 2 | H315 |
| Sensitization, Skin Category 1, 1A, 1B | H317 |
| Serious eye damage/eye irritation, Category 2A | H319 |
| Specific Target Organ toxicity, single exposure, Respiratory Tract Irritation, Category 3 | H335 |
| Hazardous to aquatic environments, Long Term Hazard, Category 3 | H412 |

2.2. Label Elements GHS-US labelling

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| Hazard Pictograms |  GHS07  GHS08 |
| Signal Word | Warning |
| Hazard Statements | <p>H305 – May be fatal if swallowed and enters airways.</p> <p>H315 – Causes skin irritation.</p> <p>H317 – May cause an allergic skin reaction.</p> <p>H319 – Causes serious eye irritation.</p> <p>H335 – May cause respiratory irritation.</p> <p>H412 – Harmful to aquatic life with long lasting effects.</p> |
| Precautionary Statements | <p>P203 – Obtain, read and follow all safety instructions before use.</p> <p>P261 – Avoid breathing fumes/gas/mist/vapours/spray/dust.</p> <p>P264 – Wash hands thoroughly after handling.</p> <p>P265 – Do not touch eyes.</p> <p>P271 – Use outdoors or in well ventilated area.</p> <p>P273 – Avoid release to the environment.</p> <p>P280 – Wear eye protection, protective clothing, protective gloves.</p> |

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| Response Statements | <p>P301 + P316 – IF SWALLOWED: Get emergency medical help immediately.</p> <p>P331 – Do NOT induce vomiting.</p> <p>P302 + P352 – IF ON SKIN, wash with plenty of water.</p> <p>P332 + P317 – If skin irritation occurs get medical help.</p> <p>P362 + P364 – Remove contaminated clothing and wash before reuse.</p> <p>P305 + P354 + P338 – IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present band easy to do so. Continue rinsing.</p> <p>P317 – Get emergency medical help.</p> <p>P304 + P340 – IF VAPOURS INHALED Remove person to fresh air and keep comfortable for breathing.</p> <p>P319 – Get medical help if you feel unwell.</p> |
| Storage Requirements | <p>P403 + P233 – Store in well ventilated space. Keep container tightly closed.</p> |
| Disposal Requirements | <p>P501: Dispose of contents/container in accordance with the relevant regulations.</p> |

2. 3. Other Hazards

No other information available

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Entity | CAS No. | Proportion |
|--|------------|------------|
| Calcium Carbonate | 1317-65-3 | 20 - 60 % |
| Aluminium Hydroxide | 21645-51-2 | 1 - 10 % |
| Acrylic Polymers | - | 10 - 40% |
| Hydrocarbons (Petroleum) | - | < 5 % |
| Sodium Hydroxide | 1310-73-2 | < 1 % |
| Isothiazolinones-mixed: | 26172-55-4 | < 1 % |
| Other ingredients (deemed non-hazardous.) | - | Balance |

4. FIRST AID MEASURES

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| Inhalation | Vapours may cause irritation of the throat and/or tightness in the chest. Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell. |
| Ingestion | Ingestion may cause irritation to mouth or throat. Wash mouth out with water. Seek immediate medical assistance if you feel unwell. May be fatal if ingested material enters airways. Do not induce vomiting. Get emergency medical help immediately. |
| Skin Contact | May cause irritation and redness at contact site. Wash off skin thoroughly with water. Shower if necessary. Seek medical attention for persistent irritation of the skin. |
| Eye Contact | May causes irritation and redness. Flush thoroughly with flowing water for 15 minutes to remove all traces. Remove contact lenses if present and easy to do so. Get specialist medical attention. |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media | Extinguishing media suitable for surrounding fire should be used. |
| Hazardous Combustion Products | Toxic fumes are likely to be emitted during combustion. |
| Protective Equipment & Precautions for Firefighters | Wear self-contained breathing apparatus and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin and eyes. |
| Environmental Precautions | Should not be released into the environment. Advise emergency services and appropriate local environment authority if contamination occurs. |
| Cleaning up and Containment | Wash the spillage site with large quantities of water. Soak up with inert absorbent. Notify authorities if product enters sewers or public waters. Dispose of solid residues at an authorised site. Keep in suitable sealed containers for disposal. |

7. HANDLING AND STORAGE

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| Precautions for safe handling | Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| Conditions for safe storage | Store in a cool, dry, well-ventilated area. Keep container tightly closed. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure Standards

| Chemical Entity | Reference | TWA (mg/m ³) | STEL(mg/m ³) |
|---------------------|-------------------------------|--------------------------|--------------------------|
| Calcium Carbonate | SafeWork Australia | 10mg/m ³ | |
| Aluminium Hydroxide | WEL (UK) | 10mg/m ³ | 4 mg/m ³ |
| Sodium Hydroxide | NIOSH (USA) | 10mg/m ³ | |
| Other Ingredients | No exposure Limits available. | | |

8.2. Engineering Controls

Ensure adequate ventilation, especially in confined areas.

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| Personal protective equipment: | |
| Respiratory protection | If insufficient ventilation, use a NIOSH/MSHA approved respirator. |
| Skin protection | Wear standard duty gloves (AS 2161: Industrial safety gloves and mittens), loose comfortable clothing, and boots. Long-sleeved shirts and long trousers are recommended. |
| Eye protection | Non-fogging chemical resistant safety goggles, glasses (AS/NZS 1336: Recommended practices for eye protection in the occupational environment). |

8.3. Personal protective equipment symbols



Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the toilet and at the end of the working period.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|-----------------------------|
| Physical State | Paste |
| Appearance | Grey/Black. |
| Odour | Slight, Barely Discernible. |
| Density | 1.5 g/cm ³ |
| Viscosity | Highly Viscous. |
| Boiling Point & Boiling Range | Data unavailable. |
| Flash Point | > 200 °C |
| Evaporation Rate | Slow |
| Flammability | Not Flammable. |
| Upper/Lower Flammability/ Explosive Limits | Data unavailable. |
| Vapour pressure | Data unavailable. |
| Vapour density | Data unavailable. |
| Water Solubility | Miscible with water. |
| pH (1% solution) | 8.5 |
| Partition Coefficient | Data unavailable. |
| Auto-Ignition Temperature | Data unavailable. |

10. STABILITY AND REACTIVITY

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| Stability | Product is stable under normal conditions of use, storage and transport. |
| Reactivity | Product is non-reactive under normal conditions of use, storage and transport. |
| Conditions to avoid | None, under recommended storage and handling conditions. |
| Incompatible Materials | Strong Acids, Strong Oxidizing Agents. |
| Hazardous Decomposition Products | None, under normal conditions of storage and use. |
| Hazardous Reactions | None known under normal conditions of use. |

11. TOXICOLOGICAL INFORMATION

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|------------------------------------|-----------------|
| Acute Toxicity (oral) | Not classified. |
| Acute Toxicity (dermal) | Not classified. |
| Acute Toxicity (inhalation) | Not classified. |

| Component | LD50 Oral Rat | LD50 Dermal | LC50 Inhalation -Rat |
|--------------------------|----------------------------|---|--|
| Aluminium Hydroxide | LD50 >2000mg/kg bodyweight | Not Listed | LD50= >2.3 mg/l air |
| Calcium Carbonate | LD50 = 6450 mg/kg (Rat) | > 2000 mg/kg (Rat) (OECD Guideline 402) | > 3 mg/L 4h (Rat) (OECD Guideline 403) |
| 2-Methyl-3-isothiazolone | LD50 232 - 249 mg/kg (Rat) | LD50 = 200 mg/kg (Rabbit) | LD50 = 0.11 mg/L (Rat) 4 h |

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| Toxicologically Synergistic | No information available. |
| Irritation | No information available. |
| Sensitization | No information available. |
| Carcinogenicity | No information available. |
| Mutagenic Effects | No information available. |
| Reproductive Effects | No information available. |
| Developmental Effects | No information available. |
| Teratogenicity | No information available. |
| STOT – Single exposure | None known. |
| STOT-repeated exposure | None known. |
| Aspirational hazard | No information available. |
| Endocrine disruptor Information | No information available. |
| Symptoms after inhalation | Vapours may cause irritation of the throat and/or tightness in the chest. |
| Symptoms after skin contact | Mild skin irritation with itching and redness at point of contact. |
| Symptoms after eye contact | Contact with eyes may cause severe eye irritation, severe pain, cause eyes to water profusely, cause vision to become blurred, and may cause permanent eye damage. |
| Symptoms after ingestion | Ingestion may result in soreness and redness of the mouth and throat. Nausea and stomach pain may occur. |
| Other Adverse effects | The toxicological properties have not been fully investigated. |

12. ECOLOGICAL INFORMATION

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| Toxicity | Ecology General: - Harmful to aquatic Life with long lasting effects Hazardous to aquatic environment - short term -acute (Not classified) Hazardous to aquatic environment - long term -chronic: Harmful to aquatic life with long lasting effects. |
| Persistence & Degradability | Biodegradable, Not persistent in the environment. |
| Bioaccumulation /Accumulation | No Bioaccumulation Potential. |
| Mobility | Water miscible so likely to be mobile. |
| Other information | Avoid release into the environment. |

13. DISPOSAL CONSIDERATIONS

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| Disposal Recommendations | Dispose of in compliance with federal, provincial, state, territory and local requirements. |
| Special precautions | Avoid release to the environment. |

14. TRANSPORT INFORMATION

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| DOT. | Not Regulated. |
| IATA. | Not Regulated. |
| IMDG/IMO | Not Regulated. |
| TDG | Not Regulated. |
| ADG | Not Regulated. |

Not classified as hazardous for transport by road, rail, sea or air.

15. REGULATORY INFORMATION

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| National Regulations | Contains no AICS (Australian Inventory of Chemical Substances) restrictions. |
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16. OTHER INFORMATION

Creation Date: June 2022 | **Version:** 1.00 | **Due for revision:** September 2027

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|--------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists. |
| ADG | Australian Code for the Transport of Dangerous Goods by Road and Rail. |
| AICS | Australian Inventory of Chemical Substances. |
| ASCC | Australian Safety and Compensation Council. |
| CAS | Chemical Abstracts Service Registry Number. |
| DOT | Department of Transportation (USA). |
| GHS | Globally Harmonised System of Classification and Labelling of Chemicals. |
| HSIS | Hazardous Substances Information System. |
| ICAO | International Civil Aviation Organisation. |
| IOELV | Indicative Occupational Exposure Limit Value (European Union). |
| IARC | International Agency for Research on Cancer. |
| IATA | International Air Transport Association. |
| IMDG | International Maritime Organisation Rules. |
| NTP | National Toxicity Program (USA). |
| OSHA | Occupational Safety & Health Administration (USA). |
| STEL | Short term exposure limit. |
| TWA | Time weighted average. |
| TDG | Transportation of Dangerous Goods Act (Canada). |
| REACH | EU Regulation - acronym for the Registration, Evaluation, Authorization and Restriction of Chemicals. |
| WEL | Workplace Exposure Limit (United Kingdom). |
| LCLo | Lethal Concentration Low – lowest concentration causing death. |
| LDLo | Lethal Dose Low – lowest dose causing death. |
| LC50 | Lethal Concentration required to kill 50% of test population. |
| EC50 | Half maximal effective concentration. |

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The information contained herein is based on the present state of our knowledge. This document characterises the product with regard to the appropriate safety precautions, and is only proposed as a guide when applied for its intended use. Each intended user should consult this SDS, and perform their own appropriate risk assessment in context to how the product will be handled and used in the workplace. Sharp and Howells Pty Ltd will not be responsible for any loss or damages resulting from use of or reliance on the information and advice contained herein.

LIMITATION

BOSS Passive Fire Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Passive Fire's attention relating to the fire resistance or performance of the product described BOSS Passive Fire reserve the right to amend this report.

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The information contained herein has been developed as a guide only and it does not constitute a guarantee of compliance of all applications. Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of BOSS Fire® certification please contact BOSS Technical Services.

FURTHER INFORMATION

For additional technical information on the performance of Ablative Coating™, other BOSS Fire® products or any other BOSS Fire® related information please contact us on:

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