Premfire FR IM Intumescent & Acoustic Acrylic Sealant

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Name/Identifier

Premfire FR IM Intumescent & Acoustic Acrylic Sealant

1.2. Relevant identified uses of the substance or mixture and uses advised against

A water-borne acrylic sealant with fire and smoke resisting capability for internal gap sealing.
For professional users only.

1.3. Details of the supplier of the safety data sheet

Premier Sealant Systems Ltd.
Mercia Way,
Foxhills Industrial Park,
Scunthorpe,
North Lincolnshire,
DN15 8RE
Tel. 01724 864 100

1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification
This product is not classified as hazardous according to regulation (EC) 1272/2008 (CLP).

Physical hazards
Not applicable.

Health hazards
Not applicable.

Environmental hazards
Not classified.

2.2. Label elements

Hazard pictograms
Not applicable.

Signal word
Not applicable.

Hazard statements
Not applicable.

Precautionary statements
EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Supplemental label information
Not applicable.

2.3. Other hazards

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

This product is a mixture.

Ingredient	CAS No.	EC No.	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
Dipropylene Glycol Dibenzoate	27138-31-4	248-258-5	01-2119529241-49-0002	H412 Aq Chron – 3	2-5%

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information
In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion:	If accidentally swallowed wash mouth with water and give water to drink. DO NOT induce vomiting.
Skin contact:	Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Get medical attention if symptoms occur.
Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:	No symptoms anticipated.
Eye contact:	There may be irritation and redness.
Ingestion:	No symptoms anticipated. If there is any persistence of discomfort seek medical advice.
Inhalation:	No symptoms.

Notes for the doctor
Not applicable.

Specific treatments
Treat symptomatically.

5. FIREFIGHTING MEASURES

The liquid product is 'non-flammable'.

5.1. Extinguishing media

Suitable extinguishing media
Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical (powder). Water spray.

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards
As the products contain combustible organic components, fire will produce hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

Hazardous combustion products
Oxides of carbon.

5.3. Advice for firefighters

Cool closed containers exposed to fire with water spray. Do not allow run off from fire fighting to enter drains or water courses.

Special protective equipment for firefighters
Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Follow safe handling advice and personal protective equipment recommendations. Refer to section 8 of SDS for details.

6.2. Environmental precautions

Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes, the relevant Environment Agency.

Methods and material for containment and cleaning up
Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Reference to other sections
See sections: 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product.

Advice on general occupational hygiene
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep containers closed when not in use. Never use high pressure to empty. The container is not a pressure vessel. Ensure good housekeeping and regular safe removal of waste materials.
Observe label precautions - Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

Storage class
Not classified.

7.3. Specific end use(s)

Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1) ppm mgm^{-3}	15 min STEL(2) ppm mgm^{-3}	

(1) Long-term exposure limit - 8 hour time weighted average.
(2) Short-term exposure limit - 15 mins time weighted average.
(S) Occupational Exposure Standard (OES).
(M) Maximum Exposure Limit (MEL).
(R) Recommended by suppliers.
(A) Allocated limits by analogy with similar materials.
(SK) Risk of absorption through unbroken skin.
(Sen) Capable of causing Sensitisation by inhalation.

8.2. Exposure controls

Appropriate engineering controls
Provide adequate ventilation during application and drying. Where practicable this should be achieved by the use of local exhaust ventilation. If this is not sufficient to maintain concentration of solvent vapours below the relevant Occupational Exposure Limit, suitable respiratory protection must be worn.

Eye/face protection

Use safety glasses (with side shields).

Hand protection

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Other skin and body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a recognised skin cleaner. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

If exposure to hazardous substances identified in section 8 cannot be controlled by the provision of natural ventilation e.g. work in enclosed areas, exposure should be controlled, where reasonably practicable, by the use of mechanical exhaust ventilation; when this is not reasonably practicable, suitable respiratory protective equipment must be worn.

Environmental exposure controls

Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	White or Grey
Odour	Chemical
Odour threshold	No data available
pH	7.7-9.0
Melting point	Not determined
Initial boiling point and range	Not available
Flash point	>100 °C (212°F)
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not available

Vapour pressure	Not available
Vapour density	Not available
Relative density	1.45
Bulk density	Not available
Solubility(ies)	Miscible when wet
Partition coefficient	Not available
Auto-ignition temperature	No data available
Decomposition Temperature	Not applicable
Viscosity	No data available
Explosive properties	Not available
Oxidising properties	Not classified as oxidinsing
TVOC	0.005g/m^3
LEED (2009) VOC	3.5g/ltr

9.2. Other information

Not available.

10. STABILITY AND REACTIVITY

10.1. Reactivity
No specific test data available.

10.2. Chemical stability
The product is stable under normal temperature and storage conditions.

10.3. Possibility of hazardous reactions
Can react with strong oxidising agents.

10.4. Conditions to avoid
See section 10.3.

10.5. Incompatible materials
See section 10.3.

10.6. Hazardous decomposition products
Oxides of carbon released under high temperature (>300 °C).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Conclusion/Summary
Based on available data, the classification criteria are not met.

Acute oral toxicity
No evidence of toxicological effects of the product. May cause discomfort if swallowed. May cause stomach pain.

Irritation/Corrosion
Not classified based on available information.
May be irritating to skin.

Serious eye damage/eye irritation
Not classified based on available information.
Risk of irritation to eyes.

Acute inhalation toxicity
No data available.

Sensitisation
Not sensitising.

Specific target organ toxicity (single exposure)
Not classified based on available information.

Specific target organ toxicity (repeated exposure)
Not classified based on available information.

Aspiration hazard
Not available

Information on likely routes of exposure
Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

General information

Inhalation	No known significant effects or critical hazards.
Ingestion	May cause discomfort and stomach pain.
Skin contact	May be irritating.
Eye contact	Causes eye irritation.
Acute and chronic health hazards	No specific data.
Route of exposure	No specific data.
Target organs	No specific data.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment. Not considered toxic to fish.

12.1. Persistence and degradability

The product is not biodegradable.

12.2. Bio accumulative potential

The product is not bio accumulative.

12.1. Mobility in soil

Not mobile.

12.2. Results of PBT and vPvB assessment

Not classified as PBT and vPvB.

12.3. Other adverse effects

Not known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not allow to enter drains or water courses. Wastes, including emptied containers, are controlled waste and should be disposed of in accordance with regulations made under the 'Control of Pollution Act' and the 'Environmental Protection Act'. Using the information provided in this data sheet, advice should be obtained from the relevant Environment Agency whether the Special Waste Regulations apply.

Disposal methods

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration should only be considered when recycling is not feasible.

13.2. Waste class

Not applicable.

14. TRANSPORT INFORMATION

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not classified.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Annex XIV - List of substances subject to authorisation
None of the components are listed.
Substances of very high concern
None of the components are listed.
Ozone depleting substances
Not listed.
Prior Informed Consent (PIC)
Not listed.
Persistent Organic Pollutants
Not listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Not applicable.
Seveso Directive
This product is not controlled under the Seveso Directive.

EU regulations
Industrial emissions (integrated pollution prevention and control) - Air
Not listed.
Industrial emissions (integrated pollution prevention and control) - Water
Not listed.
International regulations
Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.
Montreal Protocol
Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.
Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.
Inventory list Australia
Not determined.
Canada
Not determined
China
Not determined.
Eurasian Economic Union
Russian Federation inventory
Not determined.
Japan inventory (CSCL)
Not determined.
Japan inventory (ISHL)
Not determined
New Zealand
Not determined.
Philippines
Not determined.
Republic of Korea
Not determined.
Taiwan
Not determined.
Thailand
Not determined.
Turkey
Not determined.
United States
Not determined.
Viet Nam
Not determined.

15.2. Chemical safety assessment
No data available.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
BCF: Bioconcentration Factor.
CAS: Chemical Abstracts Service.
cATpE: Converted acute toxicity point estimate.
DNEL: Derived No Effect Level.

EC_{50}: 50% of maximal Effective Concentration.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
LC50: Lethal Concentration to 50 % of a test population.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
LOEC: Lowest Observed Effect Concentration.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC: Substances of Very High Concern.
vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms
Acute Tox. = Acute toxicity
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Asp. Tox. = Aspiration hazard
Eye Dam. = Serious eye damage
Flam. Liq. = Flammable liquid
Repr. = Reproductive toxicity
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation
STOT RE = Specific target organ toxicity-repeated exposure
STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data
Source: European Chemicals Agency, http://echa.europa.eu/ SDS from supplier.

Classification procedures according to SI 2019 No. 720
Flam. Liq. 2 - H225: On basis of test data.
Aquatic Chronic 3 - H412,
Eye Irrit. 2 - H319,
Repr. 2 - H361d,
Skin Irrit. 2 - H315,
STOT SE 3 - H336,
STOT RE 2 - H373: Calculation method.

Revision comments

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8
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SDS status
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