Firebreak 22 Fire Resistant Acoustic Acrylic Sealant

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) NO. 1907/2006 (REACH) WITH ITS AMENDMENT REGULATION (EU) 2020/878. ISSUE DATE: NOV 23

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product form: Mixture.
Trade name: Firebreak 22.

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

Main use category: Professional use.
Use of substance/mixture: Sealants.

1.2.1 Uses advised against

- No additional information available

1.3 Details of the suppier of the safety data sheet

Company name and address: Neutron Fire Technologies Limited, Shire Hall, Lostwithiel, Cornwall PL22 0BS, United Kingdom.
Telephone: +44 (0)1208 871 185
Email: sales@neutronfire.com

1.4 Emergency telephone number

Emergency number: +44 (0)1208 871 185 (office hours only)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412 *For full text of H- and EUH-statements: see section 16*

- Adverse physicochemical, human health and environmental effects
- Harmful to aquatic life with long lasting effects

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Signal word (CLP): —
Hazard statements (CLP): —
EUH statements (CLP):

- EUH208 – Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one [2634-33-5]
- May produce an allergic reaction

2.3 Other hazards

- Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII
- The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/60

3. Composition / information on ingredients

3.1 Substances

- Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification
			According to Reg. (EC) 272/2008 (CLP)
Dipropylene Glcdxycol Dibenzoate	CAS-No.: 27138-31-4 EC-No.: 248-258-5	< 5	Aqua Chronic 2, H411
1, 2-benzisothiazol-3(2H)-one; 1, 2-benzisothiazol-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC-Index-No.: 613-008-00-06	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
Zinc pyrithione	CAS-No.: 13463-41-7 EC-No.: 236-671-3	< 1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation), H330 Eye Dam. 1, H318 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

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3. Composition / information on ingredients *continued*

3.2 Specific concentration limits

Name	Product identifier	Specific concentration limits
1, 2-benzisothiazol-3(2H)-one; 1, 2-benzisothiazol-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC-Index-No.: 613-008-00-06	(0.5 ≤C ≤ 100) Skin Sens. 1, H317

Full text of H-statements and EUH-statements: see section 16

4. First-aid measures

4.1 Description of first-aid measures

First-aid measures after inhalation:

- Remove person to fresh air and keep comfortable for breathing

First-aid measures after skin contact:

- Wash skin with plenty of water

First-aid measures after eye contact:

- Rinse eyes with water as a precaution

First-aid measures after ingestion:

- Call a poison centre or a doctor if you feel unwell

4.2 Most important symptoms and effects, both acute and delayed

- No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

- Water spray
- Dry powder
- Foam
- Carbon dioxide

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

- Toxic fumes may be released

5.3 Advice for firefighters

Protection during firefighting:

- Do not attempt to take action without suitable protective equipment
- Self-contained breathing apparatus
- Wear protective clothing

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures:

- Ventilate spillage area

6.1.2 For emergency responders

Protective equipment:

- Do not attempt to take action without suitable protective equipment

For further information refer to section 8: Exposure controls/ personal protection.

6.2 Environmental precautions

- Avoid release to the environment

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

- Take up liquid spill with absorbent material

Other information:

- Dispose of materials or solid residues at an authorised site

6.4 Reference to other sections

For further information refer to section 13.

Continues on the next page.

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

- Ensure good ventilation of the workstation
- Wear personal protective equipment

Hygiene measures:

- Do not eat, drink or smoke when using this product
- Always wash hands after handling the product

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

- Store in a well-ventilated place
- Keep cool

7.3 Specific end use(s)

- No additional information available

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

- No additional information available

8.1.2 Recommended monitoring procedures

- No additional information available

8.1.3 Air contaminants formed

- No additional information available

8.1.4 DNEL and PNEC

- No additional information available

8.1.5 Control banding

- No additional information available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

- Ensure good ventilation of the work station

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1 Eye and face protection

Eye protection:

- Safety glasses

8.2.2.2 Skin protection

Skin and body protection:

- Wear suitable protective clothing

Hand protection:

- Protective gloves

8.2.2.3 Respiratory protection

Respiratory protection:

- In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4 Thermal hazards

- No additional information available

8.2.3 Environmental exposure controls

Environmental exposure controls:

- Avoid release to the environment

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:

- Liquid

Colour:

- Not available

Appearance:

- Paste

Odour:

- Not available

Odour threshold:

- Not available

Melting point:

- Not available

Freezing point:

- Not available

Boiling point:

- Not available

Flammability:

- Non-flammable

Explosive limits:

- Not available

Continues on the next page.

9. Physical and chemical properties *continued*

Lower explosion limit:
- Not available

Higher explosion limit:
- Not available

Flash point:
- Not available

Auto-ignition temperature:
- Not available

Decomposition temperature:
- Not available

pH:
- Not available

Viscosity:
- Kinematic: Not applicable

Solubility:
- Not available

Partition coefficient n-octanol/water:
- Not available

Vapour pressure:
- Not available

Vapour pressure at 50°C:
- Not available

Density:
- Not available

Relative density:
- Not available

Relative vapour density at 20°C:
- Not available

Particle characteristics:
- Not applicable

9.2. Other information

9.2.1 Information with regard to physical hazard classes
- No additional information available

9.2.2 Other safety characteristics
- No additional information available

10. Stability and reactivity

10.1 Reactivity
- The product is non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability
- Stable under normal conditions

10.3 Possibility of hazardous reactions
- No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid
- None under recommended storage and handling conditions (see section 7)

10.5 Incompatible materials
- No additional information available

10.6 Hazardous decomposition products
- Under normal conditions of storage and use, hazardous decomposition products should not be produced

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral):
- Not classified

Acute toxicity (dermal):
- Not classified

Acute toxicity (inhalation):
- Not classified

Zinc pyrithione [13463-41-7]

LOAEL (animal/male, F1) 2.8 mg/kg bodyweight
Animal:
- Rat

Animal sex:
- Male

Guideline:
- EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

LOAEL (animal/female, F1) 1.4 mg/kg bodyweight
Animal:
- Rat

Animal sex:
- Female

Guideline:
- EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

NOAEL (animal/male, F1) 1.4 mg/kg bodyweight.
Animal:
- Rat

Animal sex:
- Male

Guideline:
- EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

Continues on the next page.

11. Toxicological information *continued*

NOAEL (animal/female, F1) 0.7 mg/kg bodyweight
Animal:
- Rat

Animal sex:
- Female

Guideline:
- EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

STOT-single exposure:
- Not classified

STOT-repeated exposure:
- Not classified

Zinc pyrithione [13463-41-7]

LOAEL (dermal, rat/rabbit, 90 days) 1000 mg/kg bodyweight
Animal:
- Rat

Guideline:
- EPA OPP 82-3 (Sub-chronic Dermal Toxicity 90 Days)

NOAEL (oral, rat, 90 days) 0.5 mg/kg bodyweight
Animal:
- Rat

Guideline:
- OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

NOAEL (dermal, rat/rabbit, 90 days) 100 mg/kg bodyweight
Animal:
- Rat

Guideline:
- EPA OPP 82-3 (Sub-chronic Dermal Toxicity 90 Days)

STOT-repeated exposure:
- Causes damage to organs through prolonged or repeated exposure

Aspiration hazard:
- Not classified

12. Ecological information

12.1 Toxicity

Ecology – general:
- Harmful to aquatic life with long lasting effects

Hazardous to the aquatic environment:
- Not classified for short-term (acute)
- Harmful to aquatic life with long lasting effects (chronic)
- Not rapidly degradable

Zinc pyrithione [13463-41-7]

LC50 – Fish [1]:
- 2.6 µg/l Test organisms (species): *Pimephales promelas*

LC50 – Fish [1]:
- 0.4 mg/l Test organisms (species): *Cyprinodon variegatus*

EC50 – Crustacea [1]:
- 8.2 µg/l Test organisms (species): *Daphnia magna*

Oxydipropyl dibenzoate [27138-31-4]

LC50 – Fish [1]:
- 3.7 mg/l Test organisms (species): *Pimephales promelas*

12.2 Persistence and degradability
- No additional information available

12.3 Bioaccumulative potential
- No additional information available

12.4 Mobility in soil
- No additional information available

12.5 Results of PBT and vPvB assessment
- No additional information available

12.6 Endocrine disrupting properties
- No additional information available

12.7 Other adverse effects
- No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Waste treatment methods:
- Dispose of contents/container in accordance with licensed collector's sorting instructions

Continues on the next page.

14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1 UN number or ID number

UN-No. (ADR):
- Not applicable

UN-No. (IMDG):
- Not applicable

UN-No. (IATA):
- Not applicable

UN-No. (ADN):
- Not applicable

UN-No. (RID):
- Not applicable

14.2 Proper shipping name

Proper shipping name (ADR):
- Not applicable

Proper shipping name (IMDG):
- Not applicable

Proper shipping name (IATA):
- Not applicable

Proper shipping name (ADN):
- Not applicable

Proper shipping name (RID):
- Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR):
- Not applicable

Transport hazard class(es) (IMDG):
- Not applicable

Transport hazard class(es) (IATA):
- Not applicable

Transport hazard class(es) (ADN):
- Not applicable

Transport hazard class(es) (RID):
- Not applicable

14.4 Packing group

Packing group (ADR):
- Not applicable

Packing group (IMDG):
- Not applicable

Packing group (IATA):
- Not applicable

Packing group (ADN):
- Not applicable

Packing group (RID):
- Not applicable

14.5 Environmental hazards

Dangerous to the environment:
- No

Marine pollutant:
- No

Other information:
- No supplementary information available

14.6 Special precautions for user

Overland transport:
- Not applicable

Overland transport:
- Not applicable

Transport by sea:
- Not applicable

Air transport:
- Not applicable

Inland waterway transport:
- Not applicable

Rail transport:
- Not applicable

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

Continues on the next page.

15. Regulatory information

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

15.1.1. EU-Regulations REACH Annex XVII (Restriction List)

- Contains no REACH substances with Annex XVII restrictions
  REACH Annex XIV (Authorisation List)
- Contains no REACH Annex XIV substances
  REACH Candidate List (SVHC)
- Contains no substance on the REACH candidate list
  PIC Regulation (Prior Informed Consent)
- Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
  POP Regulation (Persistent Organic Pollutants)
- Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
  Ozone Regulation (1005/2009)
- Contains no substance subject to Regulation (EU) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer
  Explosives Precursors Regulation (2019/1148)
- Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors
  Drug Precursors Regulation (273/2004)
- Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances

15.1.2. National regulations

- No additional information available

15.2. Chemical safety assessment

- No chemical safety assessment has been carried out

16. Other information

16.1 Abbreviations and acronyms:

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
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bio-accumulative
ED	Endocrine disrupting properties

Continues on the next page.

16. Other information *continued*

16.2 Full text of H- and EUH-statements

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one [2634-33-5]. May produce an allergic reaction
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H360D	May damage the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. Therefore, it should not be construed as guaranteeing any specific property of the product.

firebreak® Fire Safety by Design

End of safety data sheet.