

FirePro® Glue (Cartridges)

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Previous Version: Version 1.0 June 2017

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

1.1 Product identifier

Trade name	FirePro® Glue
Other means of identification	UFI: M2H0-H0R2-600X-3YNX

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

Relevant identified uses	Adhesive
Uses advised against	All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet

ROCKWOOL® Ltd, Pencoed, Bridgend, CF35 6NY
Tel: +44 (0) 1656 862621
Email of person responsible: sds@rockwool.com

1.4 Emergency telephone numbers

ROCKWOOL® Ltd Customer Support 9am-5pm
Tel: +44 (0) 1656 862621 Email: sds@rockwool.com

Section 2. Hazards identification

2.1 Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008	The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008
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2.2 Label elements

CLP Regulation (EC) No 1272/2008	None
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2.3 Other hazards

Product fails to meet PBT/vPvB criteria.
Endocrine-disrupting properties: The product fails to meet the criteria

Section 3. Composition/information on ingredients

3.1	Substance	Non-applicable
3.2	Mixture	
	Chemical description	Aqueous dispersion
	Components	None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

Section 4. First-aid measures

4.1	Description of first aid measures	Consult a doctor in case of discomfort showing the SDS for the product
	By inhalation	In case of symptoms, move the person affected into fresh air
	By skin contact	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet
	By eye contact	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product
	By ingestion/aspiration	In case of consumption in large quantities, it is recommended to seek medical assistance
4.2	Most important symptoms and effects, both acute and delayed	Acute and delayed effects are indicated in sections 2 and 11
4.3	Indication of any immediate medical attention and special treatment needed	Non-applicable

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media

Non-applicable

5.2 Special hazards arising from the substance or mixture

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use

5.3 Advice for firefighters

Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC

Additional provisions

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Isolate leaks provided that there is no additional risk for the people performing this task

For emergency responders

Wear protective equipment. Keep unprotected persons away.
See section 8

6.2 Environmental precautions

This product is not classified as hazardous to the environment.
Keep product away from drains, surface and ground water

6.3 Methods and material for containment and cleaning up

It is recommended

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents.
For any concern related to disposal consult section 13

6.4 Reference to other sections

See sections 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6)

Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided

Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products

Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

7.2 Conditions for safe storage, including any incompatibilities

Technical measures for storage

Store in a cool, dry, well-ventilated location

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food.
For additional information see subsection 10.5

7.3 Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product

Section 8. Exposure controls / personal protection

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace

EH40/2005 Workplace exposure limits, fourth edition, published 2020

Identification	Occupational exposure limits
Kaolin - CAS: 1332-58-7, EC: 310-194-1	WEL (8h) 2 mg/m ³ WEL (15 min)

DNEL (Workers)

Non-applicable

DNEL (General population)

Non-applicable

PNEC

Non-applicable

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal



Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded

Specific protection for the hands

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

Mandatory hand protection

Pictogram	PPE	Labelling	Remarks
	Protective gloves against minor risks		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN420:2004 +A1:2010 and EN ISO 374-1:2016+A1:2018

Eye and face protection

Mandatory face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Panoramic glasses against splash/projections		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing

Body protection

Mandatory body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

Additional emergency measures

It is not necessary to take additional emergency measures

Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0% weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state at 20°C

Liquid

Appearance

Paste

Colour

Beige

Odour

Odourless

Odour threshold

Non-applicable*

Volatility

Boiling point at atmospheric pressure

100°C

Vapour pressure at 20°C

2350 Pa

Vapour pressure at 50°C

12381.01 Pa (12.38 kPa)

Evaporation rate at 20°C

Non-applicable*

Product description

Density at 20°C

Non-applicable*

Relative density at 20°C

~1.736

Dynamic viscosity at 20°C

3200000 - 3600000 cP

Kinematic viscosity at 20°C

>20.5 mm²/s

Kinematic viscosity at 40°C

>20.5 mm²/s

Concentration

Non-applicable*

pH

Non-applicable*

Vapour pressure at 20°C

Non-applicable*

Partition coefficient n-octanol/water 20°C

Non-applicable*

Solubility in water at 20°C

Non-applicable*

Solubility properties

Non-applicable*

Decomposition temperature

Non-applicable*

Melting point/freezing point:

Non-applicable*

Flammability

Flash Point

Non Flammable (>60°C)

Flammability (solid, gas)

Non-applicable*

Autoignition temperature

Non-applicable*

Lower flammability limit

Non-applicable*

Upper flammability limit

Non-applicable*

Particle characteristics

Median equivalent diameter

Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards

9.2 Other information	
Information with regard to physical hazard classes	
Explosive properties	Non-applicable*
Oxidising properties	Non-applicable*
Corrosive to metals	Non-applicable*
Heat of combustion	Non-applicable*
Aerosols-total percentage (by mass) of flammable components	Non-applicable*
Other safety characteristics	
Surface tension at 20°C	Non-applicable*
Refraction index	Non-applicable*

*Not relevant due to the nature of the product, not providing information property of its hazards

Section 10. Stability and reactivity

10.1	Reactivity	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7
10.2	Chemical stability	Chemically stable under the indicated conditions of storage, handling and use
10.3	Possibility of hazardous reactions	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected
10.4	Conditions to avoid	Applicable for handling and storage at room temperature

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6	Hazardous decomposition products	See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO ₂), carbon monoxide and other organic compounds
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Section 11. Toxicological information

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008	LD50 oral > 2000 mg/kg (rat)
	Dangerous health implications	In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure
	Ingestion (acute effect)	
	Acute toxicity	Based on available data, the classification criteria are not met
	Corrosivity/Irritability	Based on available data, the classification criteria are not met
	Inhalation (acute effect)	
	Acute toxicity	Based on available data, the classification criteria are not met
	Corrosivity/Irritability	Based on available data, the classification criteria are not met
	Contact with the skin and the eyes (acute effect)	
	Contact with the skin	Based on available data, the classification criteria are not met
	Contact with the eyes	Based on available data, the classification criteria are not met
	CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)	
	Carcinogenicity	Based on available data, the classification criteria are not met
	IARC	Non-applicable
	Mutagenicity	Based on available data, the classification criteria are not met
	Reproductive toxicity	Based on available data, the classification criteria are not met
	Sensitizing effects	
	Respiratory	Based on available data, the classification criteria are not met
	Skin	Based on available data, the classification criteria are not met
	Specific target organ toxicity (STOT) - single exposure	
	Single exposure	Based on available data, the classification criteria are not met
	Specific target organ toxicity (STOT) - repeated exposure	
	Repeated exposure	Based on available data, the classification criteria are not met
	Skin	Based on available data, the classification criteria are not met
	Aspiration hazard	Based on available data, the classification criteria are not met
	Other information	Non-applicable
	Specific toxicology information on the substances	Not available

11.2 Information on other hazards	
Endocrine disrupting properties	The product fails to meet the criteria
Other information	Non-applicable

Section 12. Ecological information

The experimental information related to the eco-toxicological properties of the product itself is not available	
12.1 Toxicity	Not available
12.2 Persistence and degradability	Not available
12.3 Bioaccumulative potential	Not available
12.4 Mobility in soil	Not available
12.5 Results of PBT and vPvB assessment	Product fails to meet PBT/vPvB criteria
12.6 Endocrine disrupting properties	The product fails to meet the criteria
12.7 Other adverse effects	Not described

Section 13. Disposal considerations

13.1 Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09	Non dangerous

Type of waste (Regulation (EU) No 1357/2014)	Non-applicable
Waste management (disposal and evaluation)	Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2
Regulations related to waste management	In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

Section 14. Transport information

This product is not regulated for transport (ADR/RID,IMDG,IATA)

Section 15. Regulatory information

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH)	Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date	Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer	Non-applicable
Article 95, REGULATION (EU) No 528/2012	Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products	Non-applicable

Seveso III:	Non-applicable
Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)	Non-applicable
Specific provisions in terms of protecting people or the environment	It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product
Other legislation	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No. 1348 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885 Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits The Waste Regulations 2011, 2011 No. 988
15.2 Chemical safety assessment	The supplier has not carried out evaluation of chemical safety

Important note:

- This NI SDS is one of three SDSs for the named product - separate SDSs are provided to meet the regulatory requirements specific to GB, NI and EU;
- The content of this SDS may differ from that of the other SDSs, due to the different regulatory frameworks applicable to GB, NI and EU; and
- The user should refer to the SDS appropriate to the territory they are operating in.

Section 16. Other information

Legislation related to safety data sheets	This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)
Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks	Non-applicable
Texts of the legislative phrases mentioned in section 3	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3
CLP Regulation (EC) No 1272/2008	Non-applicable
Classification procedure	Non-applicable
Advice related to training	Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product
Principal bibliographical sources	http://echa.europa.eu http://eur-lex.europa.eu

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
BOD5	5day biochemical oxygen demand
COD	Chemical Oxygen Demand
EC50	Effective concentration 50
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50
LD50	Lethal Dose 50
LogPOW	Octanolwater partition coefficient
Koc	Partition coefficient of organic carbon
UFI	Unique Formula Identifier

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