

SAFETY DATA SHEET

According to the REACH Regulations (EC) 1907/2006 amended by Regulation (EU) 2020/878



MSDS-021 CheckFire Fire Blanket v1.0 – April 2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier.

Product form:	Solid
Product name:	K40 Fire Blanket - See page 11 for applicable products.
Type of product:	Woven/knitted glass fiber product
Product group:	Fire Blanket

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

1.2.1 Relevant identified uses.

Main use category:	Industrial, professional, and residential.
Use of substance/ mixture:	Extinguishing product.

1.2.2 Uses advised against.

No additional information available.

1.3 Details of the supplier of the safety data sheet.

Supplier:	CheckFire Ltd.
Address:	Sir Alfred Owen Way Caerphilly, CF83 1NL, South Wales
Company telephone:	+44(0)2920868333 8am – 4:45pm EST Monday-Friday
Website/ Email:	www.checkfire.co.uk sales@checkfire.co.uk
Dept Responsible for information:	Compliance

1.4 Emergency telephone number:

Emergency telephone number:	+44 (0) 2920 868 333 8am – 4:45pm UK Monday - Friday
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SECTION 2 : HAZARDS IDENTIFICATION:

2.1 Classification of substance or mixture Classification according to Regulation (EC) No. 1272/2008 (CLP)

Adverse physicochemical, human health and environmental effects.

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practices.

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2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

No hazard statements required during normal use

Skin corrosion/irritation – Category 3

Notes: Animal experience or test data that indicates that the substance/mixture causes reversible damage to the skin following exposure of up to 4 hours. In other words, the skin is in direct contact with the glass fiber for four hours, mean value of $\geq 1.5 < 2.3$ for erythema / eschar in 2 of 3 tested animals.

Serious eye damage/eye irritation – Category 2B (Mild Irritant) Notes: When the glass fiber is in direct contact with the eyes, If a substance meets classification criteria for 2A and such effects can be reversible within 7 days, the substance can be classified as 2B.

STOT (SE) – Category 3

When glass fiber enters human organs, it includes only respiratory tract irritation (sore throat, cough) and narcotic effects (dizziness, drowsiness), except CONTINUOUS FILAMENT, because it is non-respirable

Hazard Statements

Long-term (4hours/day) direct contact with glass fiber cloth It depends to Aldrich ChemFiles: Laboratory Data Guides the Global Harmonized System (GHS) Codes and Pictograms:

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Prolonged exposure precautions

P280 Wear protective gloves

P264 Wash face, hands and any exposed skin thoroughly after handling

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P261 Avoid breathing dust (Not Included Continuous Filament)

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances

Name	Product Identifier	Percentage
Fiber Glass	CAS No. 65997-17-3 EC No. 266-046-0	>98

SECTION 4: FIRST AID MEASURES:

4.1 Description of first aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin, and eye contact, and ingestion:

Short term Contact Most important symptoms/effects, acute and delayed:

Symptoms/effects (Acute): No data available

Most important symptoms/effects (Delayed): No data available

Indication of immediate medical attention and special treatment needed, if necessary: No data available

4.2 Long term Contact [direct contact more than 4 hours per day]
Most important symptoms/effects, acute and delayed:

Eye Exposure: Flush with a copious amount of water. Preferably lukewarm, for at least 20 minutes, holding eyelids always open. Get medical attention.

Skin Exposure: Remove contaminated clothing. Wash affected skin thoroughly with soap and water. If fibers are imbedded in the skin, remove with tweezers. Wash contaminated clothing thoroughly before reuse. Seek medical attention if irritation develops after the area is washed.

Inhalation: If there is inhalation exposure to the fibers, remove to an area free from risk of further exposure and move to fresh air. If not, breathing give artificial respiration. Obtain medical attention.

4.3 Most important symptoms/effects, acute and delayed:

Acute Inhalation: Under very limited circumstances exposure to respirable fibers can occur and may result in respiratory tract irritation.

Acute Eye: Fragments of this product may cause mechanical eye irritation. Chemical irritation may occur from exposure to sizing present on the fiber.

Acute Skin contact: May cause skin irritation. Chemical irritation may occur from exposure to sizing present on the fiber.

Indication of immediate medical attention and special treatment needed: No further relevant information available.

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Note to physician: No further relevant information available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Dry chemical, foam, carbon dioxide (CO₂), water fog.

5.2 Special hazards arising from the substance or mixture.

(Under Fire Conditions): Carbon monoxide, carbon dioxide, hydrogen, other undetermined compounds could be released in small quantities.

5.3 Advice for fire fighters

For fiberglass fabric only, it will not burn, no special instructions are available, use methods appropriate for surrounding materials

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

No action shall be taken involving any personal risk or without suitable training.

Put on appropriate personal protective equipment, if long-term contact.

6.2 Cleanup and Disposal of Spill:

Sweep or gather up material and place it in proper container for disposal or recovery. Use vacuuming or wet sweeping methods instead of dry sweeping.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin for a long time and eyes with direct contact.

7.2 Conditions for safe storage, including any incompatibilities.

No special requirements. Material is not an electrical conductor

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available: [Except Continuous Filament, because it is non-respirable]

Component	Exposure Limits	
	OSHA	ACGIH
Glass Fiber	15mg/m ³ TWA (Total Dust)	5mg/m ³ (inhalable fraction)
	5mg/ m ³ TWA (Respirable Dust)	1 fiber/cm ³ TWA (respirable)

Fiberglass Cloth used 100% continuous Filament, No Data available for Exposure Controls

Appropriate engineering controls: No exposure limits exist for the constituents of this product

8.2 Individual protection measures, such as personal protective equipment:

Skin Protection: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Respiratory Protection: No respiratory protection required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties – extinguishing agent

Physical Appearance:	Woven/Knitted Fiber Cloth
Color:	White/Neutral
Odor:	ND
Odor Threshold:	ND
pH:	ND
Melting Point:	>~1400°F (800°C)
Boiling point:	ND
Flash Point:	ND
Evaporation rate:	ND

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Method Used:	N/A
Flammability Limits (vol/vol%):	Lower: N/A Upper: N/A
Vapor Pressure:	None
Vapor Density:	ND
Relative Density:	ND
Specific Gravity:	2.6-2.7 (bare glass)
Water Solubility:	Insoluble.
Partition coefficient (n-octanol/water):	ND
Auto-ignition Temperature:	N/A
Decomposition Temperature:	ND
Viscosity:	N/A

9.2 Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable in normal conditions.

10.2 Chemical stability

Stable. Possibility of the release of small amounts of acetic acid and other organic materials at elevated temperatures.

10.3 Possibility of hazardous reactions

No dangerous reactions are known to occur under normal conditions of use.

10.4 Conditions to avoid

None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicological data:

There are no acute toxicological data available on this product. The oral, dermal, and inhalation acute toxicity are expected to be very low.

11.2 Information in the likely route of long-term exposure:

11.2.1 Potential Acute Health Effects:

Skin Irritation: Dusts from this product may cause temporary mechanical irritation to the skin.

Eye Irritation: Dusts from this product may cause temporary mechanical irritation to the eyes.

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11.2.2 Inhalation: Dusts from this product may cause mechanical irritation of the nose, throat, and respiratory tract. Ingestion: Although ingestion is not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract. Chronic Toxicity: No information available.

11.3 Delayed and immediate effects and also chronic effects from short and long-term exposure: There are no known health effects from the long term use or contact, with non-respirable continuous filament fibers.

11.4 Immediate (Acute) Health Effects by Route of Exposure:

11.4.1 Inhalation Irritation:

No data available

11.4.2 Skin Contact:

No data available

11.4.3 Eye Contact:

No data available

11.4.4 Ingestion Irritation:

No data available

Long-Term (Chronic) Health Effects:

Carcinogenicity:

None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not Specified.

12.2 Persistence and degradability

No additional information available.

12.3 Bio-accumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

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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

Fiberglass is generally considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

SECTION 13: DISPOSABLE INFORMATION

13.1 Water treatment methods

Regional legislation (waste):

Disposal must be done according to official regulations.

SECTION 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 UN proper shipping names

Proper shipping names. (ADR):	Not applicable
Proper shipping names. (IMDG):	Not applicable
Proper shipping names. (IATA):	Not applicable
Proper shipping names. (ADN):	Not applicable
Proper shipping names. (RID):	Not applicable

14.3 Transport hazard class(es)

ADR –Transport hazard class(es):	Not applicable
IMDG –Transport hazard class(es):	Not applicable
IATA–Transport hazard class(es):	Not applicable
ADN –Transport hazard class(es):	Not applicable
RID– Transport hazard class(es):	Not applicable

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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 for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available

14.6 Special precautions for user

Overland transport:	Not applicable
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14.7 Maritime transport in bulk container to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health, and Environmental Regulations / Legislation Specific for the Substance or Mixture

15.1.1 EU Regulations

REACHAnnex XVII (Restrictions List) : Contains no substance(s) listed on REACHAnnex XVII (Restriction Conditions) **REACHAnnex XIV (Authorisations List)**: Contains no substance(s) listed on REACHAnnex XIV (Authorisations List)

REACH Candidate List (SVHC): Contains no substance(s) listed on REACH Candidate List.

PICRegulation List (Prior Informed Consent): Contains no substance(s) listed on PIC list (Regulation EU649/2012 concerning the export and import of hazardous chemicals).

POCRegulation List (Persistent Organic Pollutants): Contains no substance(s) listed on POPlist (Regulation EU2019/1021 concerning persistent organic pollutants).

Ozone Regulation (1005/2009): Contains no substance(s) listed on Ozone Depletion list (Regulation EU 1005/2009 concerning substances that deplete the ozone layer).

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on Explosives Precursors list (EU Regulation 2019/1148 concerning marketing and use of explosive precursors).

15.2 Chemical Safety Assessment

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No chemical safety assessment has been carried out.

SECTION 16 : OTHER INFORMATION

LEGEND / 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.		
BLV	Biological limit value.		
CASNo.	Chemical Abstract Service Number.		
CLP	Classification Labelling Packaging Regulation : Regulation (EC) No. 1272/2008.		
CE50	Effective Concentration (required to induce a 50% effect).		
CE No	Identifier in ESIS (European Archive of Existing Substances).		
DMEL	Derived-Minimal Effect Level.		
DNEL	Derived No Effect Level.		
EC50	Median effective concentration.		
EC-No.	European Community number.		
EN	European standard.		
EmS	Emergency Schedule.		
GHS	Globally Harmonised System of Classification and Labelling of Chemicals.		
IATA	International Air Transport Association Dangerous Goods Regulations.		
IMDG	International Maritime Code for Dangerous Goods.		
IMO	International Maritime Organization.		
LC50	Median Lethal Concentration.		
LD50	Median Lethal Dose.		
LOAEL	Lowest Observed Adverse Effect Level.		
NOAEC	No Observed Adverse Effect Concentration.		
OEL	Occupational Exposure Limit.		
NOAEL	No Observed Adverse Effect Level.		
NOEC	No Observed Effect Concentration.		
PBT	Persistent Bio Accumulative Toxic.		
PNEC	Predicted No Effect Concentration.		
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals Regulations (EC Regulation 1907/2006)		
RID	Regulation Concerning the International Transport of Dangerous Goods by Rail.		
SDS	Safety Data Sheet.		
TLV	Threshold Limit Value		
TLV Ceiling	Concentration that should not be exceeded during any time of occupational exposure.		
TWASTEL	Short term exposure limit.		
TWA	Time weighted average exposure limit.		
VOC	Volatile organic compounds.		
vPvB	Very Persistent and Very Bio Accumulative.		

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WGK Water Hazard Class.
STOT Specific Target Organ Toxicity.

Other Information

The information contained in the present sheet is based on our own knowledge and believed accurate and reliable. This information is based on current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This MSDS applies to the following products:

Product code
FB01
FB02
FB03
FB04

END OF MSDS