SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Firechief Hot Works Welding Blanket Heavy Duty (various sizes)

Product code: 104-1130, 104-1131, 104-1132, 104-1133, 104-1134

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

Product use:

Welding protection

Uses advised against:

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Company name:	Sentura Group Ltd	Firechief Global (EU) Ltd
Address:	Sentura House 3 Lands End Way Oakham Rutland, UK LE15 6RB	3rd Floor 40 Mespil Road Dublin 4 Ireland D04 C2N4
Telephone:	+44 (0)330 999 0019	+44 (0)330 999 0019
E-mail:	sales@firechiefglobal.com	sales@firechiefglobal.com
Website:	https://firechiefglobal.com	https://firechiefglobal.com

1.4. Emergency telephone number

Contact:	+44 (0)330 999 0019
Language:	English
Opening hours:	Available Monday to Friday (not bank holidays), 8 am to 5 pm (UK time)
General EU:	112 for emergencies (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service).
Poisons Information Centre of Ireland:	Members of the public +353 (0)1 809 2166 (8am to 10pm every day). Healthcare professionals +353 (0)1 809 2566 or +353 (0)1 837 9964 (24hrs).
General UK:	999 for emergencies (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) 111 for non-urgent advice.
National Poisons Information Service (NPIS):	Members of the public contact your general practitioner or telephone NHS 111. Healthcare professionals please visit www.TOXBASE.org

SECTION 2: Hazards identification

GHS Classification: Not Classified as hazardous under GHS during normal use

GHS Hazard Statements: 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 high silica for four hours, mean value of ≥ 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 high silica 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 high silica 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 high silica 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

Ingredient	CAS No.	% of Weight
Silica	7631-86-9	96%

SECTION 4: 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

Long term Contact [direct contact more than 4 hours per day**]**
Most important symptoms/effects, acute and delayed:
Eye Exposure: Flush with copious amount of water. Preferably lukewarm, for at least 20 minutes, holding eyelids open at all times. 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 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.
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.
Note to physician: No further relevant information available

SECTION 5: Firefighting measures

Extinguishing media: Dry chemical, foam, carbon dioxide (C02), water fog.
Unsuitable extinguishing media: None known.
Hazardous Decomposition Materials (Under Fire Conditions): Carbon monoxide, carbon dioxide, hydrogen, other undetermined compounds could be released in small quantities.
Special Fire Fighting Procedures: For fiberglass fabric only, it will not burn, no special instructions available, use methods appropriate for surrounding materials

SECTION 6: Accidental release measures

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

SECTION 7: Handling and storage

Precautions for safe handling: Avoid contact with skin for a long time and eyes with direct contact.
Conditions for safe storage including any incompatibilities: No special requirements. Material is not an electrical conductor

SECTION 8: Exposure controls/personal protection

Control Parameters (Exposure Limits):
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
High silica	15 mg/m3 TWA (total dust) 5 mg/m3 TWA (respirable dust)	5 mg/m3 (inhalable fraction) 1 fiber/cm3 TWA (respirable

		fraction)

High Silica used 100% continuous Filament, No Data available for Exposure Controls
Appropriate engineering controls: No exposure limits exist for the constituents of this product
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

Physical Appearance:	Woven/Knitted high silica Cloth
Color:	White/Neutral
Odor:	ND
Odor Threshold:	ND
pH:	ND
Melting Point:	>~3000°F (1600°C)
Boiling point:	ND
Flash Point:	ND
Evaporation rate:	ND
Method Used:	NA
Flammability Limits (vol/vol%):	**Lower:** N/A **Upper:** N/A
Vapor Pressure:	None
Vapor Density:	ND
Relative Density:	ND
Specific Gravity:	2.2
Water Solubility:	Insoluble.
Partition coefficient (n-octanol/water):	ND.
Auto-ignition Temperature:	N/A
Decomposition Temperature:	ND
Viscosity:	N/A

SECTION 10: Stability and reactivity

Chemical Stability – Product is stable at normal temperature and storage conditions.
Incompatibilities – Basic phosphates, hydrofluoric acid, and some oxides and hydroxides.
Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

SECTION 11: Toxicological information

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.
Information in the likely route of long-term exposure:
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.
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.
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.
Immediate (Acute) Health Effects by Route of Exposure:
Inhalation Irritation: No data available
Skin Contact: No data available
Eye Contact: No data available
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

Ecotoxicity Effects: No information available
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Results of PBT and vPvB assessment: No information available
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: Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging
Waste treatment methods (including packaging): Dispose of in a landfill. Disposal is not likely to be regulated.

SECTION 14: Transport information

DOT/IMDG/IATA/ADR:

UN-Number:	Not regulated
Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
Packing Group:	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture: International Inventories

SARA TITLE III: establishes requirements for Federal, State and local governments, Indian Tribes, and industry regarding emergency planning and "Community Right-to-Know" reporting on hazardous and toxic chemicals.
SARA (313) Chemicals: Not listed
SARA Extremely Hazardous Substance: Not listed
CERCLA Hazardous Substance: Not listed
TSCA (USA): All components listed or exempted.
International Inventories:

DSL: Canada All components listed or exempted.
KECI: Korea All components listed or exempted.
PICCS: Philippines All components listed or exempted.
ENCS: Japan All components listed or exempted.
AICS: Australia All components listed or exempted.
IECSC: China All components listed or exempted.

SECTION 16: Other information

Key Legend Information:
N/A – Not Applicable
ND – Not Determined
ACGIH – American Conference of Governmental Industrial Hygienists
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limit
NIOSH – National Institute for Occupational Safety and Health

The information given on this Safety Data Sheet is to the best of Firechief Global's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the users' responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use.

This sheet supersedes all previous editions.