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

1.1 Product identifier
REF: 411012
Product name: cirfi MN GF-1, 12.5 cm

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

- **Relevant identified uses**
  a. Product for analytical use.
  - Exposure Scenario Classification according REACh, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0
  - The exposure scenario is integrated into sections 1-16.
  b. Product used as cleaning and filtration aid.
  - Exposure Scenario Classification according REACh, RIP 3.2 Codes: SU 3, 9, 23, PC 2, 20, 29, 37, PROC 3, 5, ERC 4, 8a, 8b
  - This exposure scenario is also integrated into sections 1-16.

- **Uses advised against**
  - Not described

1.3 Details of the supplier of the safety data sheet
Manufactured by:
MACHEREY-NAGEL GmbH & Co. KG
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY
Tel.: +49 2421 969 0
E-mail: sds@mn-net.com (msds@mn-net.com)

1.4 Emergency telephone number
Information not necessary.
You find our current versions of SDS (22 languages) in Internet:
http://www.mn-net.com/SDS

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture
Glass fibre filters MN GF-1 ... GF-6
- Do not need labelling as hazardous
  - Signal word: -
  - No hazard class

2.2 Label elements
**Not hazardous labelled**, because a long-time/multiple exposition of intaking dust is excluded, if the product is safety handled.
The following listed labelling would be creating an "OVERLABELLING".
Glass fibre filters MN GF-1 ... GF-6
- Do not need labelling as hazardous
  - Signal word: -

2.3 Other hazards
**Possible hazards from physicochemical properties**
According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.
An individual package has considerably less hazardous potential. Less hazardous potential from dust. ---

**Information pertaining to particular risks to human and possible symptoms**
No hazards in accordance with EU regulations 1272/2008/EC, 1907/2006/EC and German Regulations for Hazardous goods. ---

Information pertaining to particular risks to the environment ---

Other hazards
Concerning 97/69/EC "Mineral fibres" and CLP are all glass-like silica fibres carcinogen (Carc. 2 H351), if they contain more than 18 % oxides of the metals Na, K, Mg, Ca and Ba.
It is not possible to declare glass filters as dangerous or not. We recommend not to inhale product dust. Glass filter dust may cause various damage of the inhalatory system if inhaled over a longer period.---

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

Glass fibre filters MN GF-1 ... GF-6
Chemical: quartz wool, glass fibres
Classification: No criteria for classification or naming of chemical not required.
Formula: SiO₂
TSCA Inventory: listed
EC No.: 238-878-4
KE No.: KE-29983
Concentration: 95 - <100 % acc.

3.3 Remarks
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SECTION 4: First aid measures

4.1 Description of first aid measures
Place insured person out of danger zone to fresh air immediately.

4.1.1 After SKIN Contact
Remove dust with wetted tissue.

4.1.2 After EYE Contact
Rub dust with teardrops from eyes

4.1.3 After INHALATION of vapours
After inhalation of dust fresh air should be inhaled. ---

4.1.4 After ORAL Intake
---

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

4.3 Indication of any immediate medical attention and special treatment needed
No additionally recommendations. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media
Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

5.2 Special hazards arising from the substance or mixture
None. Substance itself does not burn.

5.3 Advice for firefighters
No, for listed product. Product package burns like paper or plastic.

5.4 Additional information
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with fingers. Do not breathe dust.

6.2 Environmental precautions
not necessary

6.3 Methods and material for containment and cleaning up
Collect fibres in a plastic bag and close. Clean working area with water. Flush used water into drains.

6.4 Reference to other sections
---

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Handle with care. Prevent activities that damage the paper surface. Do not inhale product dust.

7.2 Conditions for safe storage, including any incompatibilities
The original product package of MACHEREY-NAGEL allows a safe storage. Storage class (VCI): 13
Water hazard class (DE): nwg

7.2.1 Requirements for stock rooms and containers
Keep original product packages tightly closed during handling and storage.

7.3 Specific end use(s)
a. Product for analytical use.
b. Product used as cleaning and filtration aid.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Glass fibre filters MN GF-1 ... GF-6
Chemical: quartz wool, glass fibres
TRGS 800 (DE): 0.15 A mg/m³
CAS No.: 14808-60-7
A/a avoiles passing, E/e respirable, G total
SUVA(CH) MAK value: 0.05 a mg/m³
NIOSH: [TWA] 3 fibers/cm³ (fibers ≤ 3.5 µm in diameter & ≥ 10 µm in length) [TWA (total)] 5 mg/m³
OSHA: [TWA (total/resp)] 15 / 5 mg/m³

8.2 Exposure controls
Not necessary.

8.2.1 Respiratory protection
Not necessary. Use for regularly working with dry powders a dust mask or a dust protection filter, class P3.

8.2.2 Hand protection
Not necessary.

8.2.3 Eye protection
Not necessary.

8.2.4 Skin protection
Not necessary.

8.2.5 Personal hygiene
Information not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Glass fibre filters MN GF-1 ... GF-6
Appearance: solid  Colour: white  Odor: odorless

9.2 Other information

Relevant Properties of Substance Group

SECTION 10: Stability and reactivity

10.1 Reactivity
None

10.2 Chemical stability
No known instability.

10.3 Possibility of hazardous reactions
None.

10.4 Conditions to avoid
Not known. None

10.5 Incompatible materials
Not known. None.

10.6 Hazardous decomposition products
In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Following information is valid for pure substances.

Glass fibre filters MN GF-1 ... GF-6

Chemical: quartz wool, glass fibres  CAS No.: 14808-60-7
TSCA Inventory: listed  California Proposition 65 List: listed cancer (airborne particles of respirable size)
ACGIH: 0.1 ppm
Target Organs: irritate or damage pulmonary tissue
Symptoms: cough; tightness in chest; shortness of breath
Japan ISHL: listed ≥0.1%/≥0.1%
Korea Exist.Chem.Inventory: KE-29983

A long-term risk of inhalation of fine dust can be normally excluded, when the product is handled with care. Concerning 97/69/EC "Mineral fibres" and CLP regulation are all glass-like silica fibres carcinogen (Carc. 2 H351), if they contain more than 18 % oxides of the metals Na, K, Mg, Ca and Ba.

TRGS 905 (DE): K2

SECTION 12: Ecological information

12.1 Toxicity
Following information is valid for pure substances.

Glass fibre filters MN GF-1 ... GF-6

Chemical: quartz wool, glass fibres  CAS No.: 14808-60-7
Water hazard class (DE): nwg  WGK No.: 0849
Storage class (VCI): 13

12.2 Persistence and degradability
not necessary

12.3 Bioaccumulative potential
not necessary
12.4 Mobility in soil
not necessary

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
no additional data available

SECTION 13: Disposal considerations
Not necessary.

13.1 Waste treatment methods
GENERAL: Empty solids into municipal waste, empty liquids diluted into drains. Empty filter close packed into municipal waste.

SECTION 14: Transport information
14.1 - 14.4 Not necessary

14.5 Environmental hazards
none

14.6 Special precautions for user
not necessary

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
not applicable

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
German act governing protection from hazardous substances (Chemicals Act / Chemikalienbesatz- ChemG), revised on August 2013
German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on November 2010, according to Directive 98/24/EC
Look for your country-specific regulations.

15.2 Chemical safety assessment
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SECTION 16: Other information
16.1 List of H and P phrases

16.1.1 List of relevant H phrases

16.1.2 List of relevant P phrases

16.2 Training advice
Regular safety training.

16.3 Recommended restriction on use
None

16.4 Further information
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16.5 Sources of key data
Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS
Regulation 407/2013/EU, 4th adaptation of CLP regulation to technical and scientific progress
Regulation 669/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress
Regulation 1480/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress
TRGS 900, German engineering rules governing limits in air at work, updated 03/2019
SUVA .CH, Limits in air at work 2009, revised on 01.2009
Guideline 97/69/EC, mineral fibres
(TRGS 521, German engineering rules governing reconstruction, maintenance and demolition with old mineral wool, February 2008, revised TRGS 521 “Mineral fibres”)
KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

Revisions/Updates
Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU