Safety Data Sheet

# Coffee machine filter

*Prepared according to EU regulation No. 2020/878

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

### Product identifier

| | |
|---|---|
| Product Name | Coffee machine filter |
| Product Model | CF103 |
| CAS No. | Not applicable |
| EC No. | Not applicable |
| Molecular Formula | Not applicable |
| REACH Registration Number | - |
| UFI | No information available |

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

| | |
|---|---|
| Relevant identified uses | Auto- coffee machine replaces filter element. |
| Uses advised against | special instructions. |

### Details of the supplier of the Safety Data Sheet

| | |
|---|---|
| Name of the company | DMC TRADE SPÓŁKA CYWILNA |
| Address of the company | SIOSTRY FAUSTYNY 4C/10 80-180, KOWALE,POLAND |
| Post code | |
| Telephone number | 48 530 207 920 |
| Fax number | |
| E-mail address | info@coffix.eu |

### Emergency telephone number

| | |
|---|---|
| Emergency telephone number | 48 530 207 920 |
| Opening hours | 24h |

## 2 Hazards identification

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

| | |
|---|---|
| Eye Damage/Irritation | Category 2 |

### GHS Label elements

| | |
|---|---|
| Hazard pictograms |  |
| Signal word | Warning |

### Hazard statements

| | |
|---|---|
| **H319** | Causes serious eye irritation |

### Precautionary statements

- Prevention

| | |
|---|---|
| **P264** | Wash face and hands thoroughly after handling. |
| **P280** | Wear protective gloves/protective clothing/eye protection/face protection. |

- Response

| | |
|---|---|
| **P337+P313** | If eye irritation persists: Get medical advice/attention. |
| **P305+P351+P338** | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

- Storage

| | |
|---|---|
| **Storage** | Not applicable |

- Disposal

| | |
|---|---|
| **Disposal** | Not applicable |

### Other hazards

- Results of PBT and vPvB assessment

| | |
|---|---|
| **Results of PBT and vPvB assessment** | Insufficient information, temporarily unable to evaluate |

- Results of endocrine disrupting properties assessment

| | |
|---|---|
| **Results of endocrine disrupting properties assessment** | Insufficient information, temporarily unable to evaluate |

- Other

| | |
|---|---|
| | Not applicable. |

## 3 Composition/information on ingredients

### Substance/mixture

| | |
|---|---|
| | Mixture |

| Component | Weight % content (or range) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific Conc. Limits, M-factors |
|---|---|---|---|
| **polypropylene**<br>CAS：9003-07-0<br>EC：618-352-4<br>Index No.：- | Commercial secrets | Not Classified | - |
| **exchange resin**<br>CAS：9052-45-3<br>EC：622-578-9<br>Index No.：- | Commercial secrets | Eye Damage/Irritation，Category 2，H319 | - |
| **Activated carbon**<br>CAS：7440-44-0<br>EC：231-153-3<br>Index No.：- | Commercial secrets | Not Classified | - |
| **NBR**<br>CAS：9003-18-3<br>EC：618-357-1 | Commercial secrets | Not Classified | - |

| | | | |
|---|---|---|---|
| Index No.: - | | | |
| **PET**<br>CAS: 25038-59-9<br>EC: 607-507-1<br>Index No.: - | Commercial secrets | Not Classified | - |

## 4 First-aid measures

### Description of first aid measures

| | |
|---|---|
| **General advice** | Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance. |
| **Eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable. |
| **Skin contact** | Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable. |
| **Ingestion** | Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. |
| **Inhalation** | Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately. |
| **Protecting of first-aiders** | Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination. |

### Most important symptoms/effects, acute and delayed

| | |
|---|---|
| 1 | Please see section 11. |

### Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| 1 | Treat symptomatically. |
| 2 | Symptoms may be delayed. |

## 5 Fire-fighting measures

### Extinguishing media

| | |
|---|---|
| **Suitable extinguishing media** | Use extinguishing media suitable for surrounding area. |
| **Unsuitable extinguishing media** | There is no restriction on the type of extinguisher which may be used. |

### Specific hazards arising from the substance or mixture

| | |
|---|---|
| 1 | Development of hazardous combustion gases or vapor possible in the event of fire. |
| 2 | May expansion or decompose explosively when heated or involved in fire. |

### Advice for firefighters

| | |
|---|---|
| 1 | As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. |
| 2 | Fight fire from a safe distance, with adequate cover. |
| 3 | Prevent fire extinguishing water from contaminating surface water or the ground water system. |

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| 1 | Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. |

| | |
|---|---|
| 2 | Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
| 3 | Use personal protective equipment,do not breathe dust/fume. |

### Environmental precautions

| | |
|---|---|
| 1 | Prevent further leakage or spillage if safe to do so. |
| 2 | Discharge into the environment must be avoided. |

### Methods and materials for containment and cleaning up

| | |
|---|---|
| 1 | Cut off the source of the leak as much as possible. |
| 2 | Keep leaks in a ventilated place. |
| 3 | Isolation of contaminated areas and restrictions on access. |
| 4 | It is recommended that emergency personnel wear dust masks. |
| 5 | Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak. |
| 6 | Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. |

## 7 Handling and storage

### Precautions for safe handling

#### Protective measures

| | |
|---|---|
| 1 | Handling is performed in a well ventilated place. |
| 2 | Wear suitable protective equipment. |
| 3 | Avoid contact with skin and eyes. |

#### Measures to prevent fire

| | |
|---|---|
| 1 | Keep away from heat/sparks/open flames/ hot surfaces. |

#### Measures to prevent aerosol and dust generation

| | |
|---|---|
| 1 | Avoid formation of dust and aerosols. |
| 2 | Provide appropriate exhaust ventilation at places where dust is formed. |

#### Advice on general occupational hygiene

| | |
|---|---|
| 1 | Wash hands and face after using of the substances. |
| 2 | Replace the contaminated clothing immediately. |

### Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| 1 | Keep containers tightly closed. |
| 2 | Keep containers in a dry, cool and well-ventilated place. |
| 3 | Keep away from heat/sparks/open flames/hot surfaces. |
| 4 | Store away from incompatible materials and foodstuff containers. |

### Specific end use(s)

| | |
|---|---|
| 1 | In addition to use mentioned in the first parts, unforeseen other specific end uses. |

## 8 Exposure controls/personal protection

### Control parameters

| Component | Country/Region | Limit value - Eight hours | Limit value - Short term |
|---|---|---|---|

| | | ppm | mg/m³ | ppm | mg/m³ |
|---|---|---|---|---|---|
| **PET** | Latvia | - | 5 | - | - |

◆ Biological limit values

| | |
|---|---|
| **Biological limit values** | No relevant regulations |

◆ Monitoring methods

| | |
|---|---|
| 1 | EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. |
| 2 | GBZ/T 300 series standard Determination of toxic substances in workplace air. |

◆ Derived No effect level (DNEL)

| Component | Route of exposure | DNEL for Workers | | | |
|---|---|---|---|---|---|
| | | Acute effects (local) | Acute effects (systemic) | Chronic effects (local) | Chronic effects (systemic) |
| **polypropylene** | Inhalation | No data available | No data available | No data available | No data available |
| | Oral | No data available | No data available | No data available | No data available |
| | Dermal | No data available | No data available | No data available | No data available |
| **exchange resin** | Inhalation | No data available | No data available | No data available | No data available |
| | Oral | No data available | No data available | No data available | No data available |
| | Dermal | No data available | No data available | No data available | No data available |
| **Activated carbon** | Inhalation | No data available | No data available | 1.84 mg/m3 | 10 mg/m3 |
| | Oral | No data available | No data available | No data available | No data available |
| | Dermal | No data available | No data available | No data available | No data available |
| **NBR** | Inhalation | No data available | No data available | No data available | No data available |
| | Oral | No data available | No data available | No data available | No data available |
| | Dermal | No data available | No data available | No data available | No data available |
| **PET** | Inhalation | No data available | No data available | No data available | No data available |
| | Oral | No data available | No data available | No data available | No data available |
| | Dermal | No data available | No data available | No data available | No data available |

◆ Predicted No Effect Concentration (PNEC)

| | |
|---|---|
| **Predicted No Effect Concentration (PNEC)** | No information available |

## Engineering controls

| | |
|---|---|
| 1 | Ensure adequate ventilation, especially in confined areas. |
| 2 | Ensure that eyewash stations and safety showers are close to the workstation location. |
| 3 | Set up emergency exit and necessary risk-elimination area. |
| 4 | Handle in accordance with good industrial hygiene and safety practice. |

## Personal protection equipment

| | |
|---|---|
| **General requirement** |  |

| | |
|---|---|
| Eye protection | Must wear appropriate safety goggles. |
| Hand protection | Must wear appropriate chemical protective gloves. |
| Respiratory protection | Must wear appropriate personal respiratory protective equipment. |
| Skin and body protection | Must wear appropriate chemical protective clothing and chemical resistant shoes. |

## 9 Physical and chemical properties and safety characteristics

### Physical and chemical properties

| | |
|---|---|
| Physical state | Solid |
| Colour | No information available |
| Odor | No information available |
| Odor threshold | No information available |
| pH | No information available |
| Melting point/freezing point(°C) | No information available |
| Initial boiling point and boiling range(°C) | No information available |
| Flash point(Closed cup,°C) | Not applicable |
| Evaporation rate | Not applicable |
| Flammability | Not flammable |
| Upper/lower explosive limits[%(v/v)] | Upper limit：No information available；Lower limit：No information available |
| Vapor pressure | Not applicable |
| Vapor density(Air = 1) | Not applicable |
| Relative density(Water=1) | No information available |
| Solubility | Insoluble in water |
| n-octanol/water partition coefficient | No information available |
| Auto-ignition temperature(°C) | No information available |
| Decomposition temperature(°C) | No information available |
| Viscosity | Not applicable |
| Explosive properties | Not explosive |
| Oxidizing properties | Not oxidizing |
| Particle characteristics | No information available |

## 10 Stability and reactivity

### Stability and reactivity

| | |
|---|---|
| Reactivity | Contact with incompatible substances can cause decomposition or other chemical reactions. |
| Chemical stability | Stable under proper operation and storage conditions. |
| Possibility of hazardous reactions | No information available. |
| Conditions to avoid | Incompatible materials, heat, flame and spark. |
| Incompatible materials | Metal acetylide, halogen, interhalogen, halogen oxides, nitric acid, nitrous oxide, nitrates, nitrites, halogen oxyacid salts, chromates, permanganates, inorganic peroxides, metal oxides and peroxyformic acid. |

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

## 11 Toxicological information

### Acute toxicity

| | |
|---|---|
| Acute toxicity | No information available |

### Carcinogenicity

| Component | List of carcinogens by the IARC Monographs | Report on Carcinogens by NTP |
|---|---|---|
| **polypropylene** | Category 3 | Not Listed |
| **exchange resin** | Not Listed | Not Listed |
| **Activated carbon** | Not Listed | Not Listed |
| **NBR** | Not Listed | Not Listed |
| **PET** | Not Listed | Not Listed |

### Endocrine disrupting properties

| | |
|---|---|
| Endocrine disrupting properties | No information available |

### Others

| | Coffee machine filter |
|---|---|
| Skin corrosion/irritation | Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | Causes serious eye irritation(Category 2) |
| Skin sensitization | Based on available data, the classification criteria are not met |
| Respiratory sensitization | Based on available data, the classification criteria are not met |
| Reproductive toxicity | Based on available data, the classification criteria are not met |
| STOT-single exposure | Based on available data, the classification criteria are not met |
| STOT-repeated exposure | Based on available data, the classification criteria are not met |
| Aspiration hazard | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met |
| Reproductive toxicity(additional) | Based on available data, the classification criteria are not met |

## 12 Ecological information

### Acute aquatic toxicity

| | |
|---|---|
| Acute aquatic toxicity | No information available |

### Chronic aquatic toxicity

| | |
|---|---|
| Chronic aquatic toxicity | No information available |

### Persistence and degradability

| Component | Persistence (water/soil) | Persistence (air) |
|---|---|---|
| **polypropylene** | Low | Low |
| **NBR** | Low(Half-life = 46 days) | Low(Half-life = 7.88 days) |

### Bioaccumulative potential

| Component | Bioaccumulative potential | Comments |
|---|---|---|
| **polypropylene** | Low | Log Kow=1.6783 |
| **NBR** | Low | BCF=48 |

### Mobility in soil

| Component | Mobility in soil | Soil Organic Carbon-Water Partitioning Coefficient (Koc) |
|---|---|---|
| **polypropylene** | Low | 23.74 |
| **NBR** | Low | 8.3 |

### Results of PBT and vPvB assessment

| | |
|---|---|
| **Results of PBT and vPvB assessment** | Insufficient information, temporarily unable to evaluate |

### Endocrine disrupting properties

| | |
|---|---|
| **Endocrine disrupting properties** | No information available |

## 13 Disposal considerations

### Disposal considerations

| | |
|---|---|
| **Waste chemicals** | Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal. |
| **Contaminated packaging** | Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible. |
| **Disposal recommendations** | Refer to section waste chemicals and contaminated packaging. |

## 14 Transport information

### Label and Mark

| | |
|---|---|
| **Transporting Label** | Not applicable |

### IMDG-CODE

| | |
|---|---|
| **IMDG-CODE** | NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS |

### IATA-DGR

| | |
|---|---|
| **IATA-DGR** | NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS |

### UN-ADR

| | |
|---|---|
| **UN-ADR** | NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS |

## 15 Regulatory information

### International chemical inventory

| Component | EINECS | TSCA | DSL | IECSC | NZIoC | PICCS | KECI | AIIC | ENCS |
|---|---|---|---|---|---|---|---|---|---|
| **polypropylene** | × | √ | √ | √ | √ | √ | √ | √ | √ |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **exchange resin** | × | √ | √ | √ | √ | √ | √ | √ | √ |
| **Activated carbon** | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| **NBR** | × | √ | √ | √ | √ | √ | √ | √ | √ |
| **PET** | × | √ | √ | √ | √ | √ | √ | √ | √ |

[EINECS] European Inventory of Existing Commercial Chemical Substances
[TSCA] United States Toxic Substances Control Act Inventory
[DSL] Canadian Domestic Substances List
[IECSC] China Inventory of Existing Chemical Substances
[NZIoC] New Zealand Inventory of Chemicals
[PICCS] Philippines Inventory of Chemicals and Chemical Substances
[KECI] Korea Existing Chemicals Inventory
[AIIC] Australia. Inventory of Industrial Chemicals (AIIC)
[ENCS] Japan Inventory of Existing & New Chemical Substances

### European chemical inventory

| Component | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| **polypropylene** | × | × | × | √ | × | × | × |
| **exchange resin** | × | × | × | × | × | × | × |
| **Activated carbon** | × | × | × | √ | √ | × | × |
| **NBR** | × | × | × | √ | × | × | × |
| **PET** | × | × | × | √ | × | × | × |

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
[B] Substances requiring authorisation under EU REACH regulation
[C] Substances restricted under EU REACH
[D] Pre-registered substances under EU REACH
[E] Registered substances under EU REACH
[F] Substance Evaluation – CoRAP under EU REACH
[G] List of priority substances under EU water policy (Directive 2455/2001/EC)

Note:
"√" Indicates that the substance included in the regulations.
"×" No data or not inlcuded in the regulations.

## 16 Other information

### Information on revision

| | |
|---|---|
| **Creation Date** | 2023/05/07 |
| **Revision Date** | 2023/05/07 |
| **Reason for revision** | - |

### Reference

[1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home。
[2] IARC, website: http://www.iarc.fr/。
[3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/substancesearch/index.action。
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple。
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp。
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/。
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg。
[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/。

## Abbreviations and acronyms

| | | | |
|---|---|---|---|
| CAS | Chemical Abstracts Service | UN | The United Nations |
| PC-STEL | Short term exposure limit | OECD | Organization for Economic Co-operation and Development |
| PC-TWA | Time Weighted Average | IMDG | International Maritime Dangerous Goods |
| MAC | Maximum Allowable Concentration | IARC | International Agency for Research on Cancer |
| DNEL | Derived No Effect Level | ICAO | International Civil Aviation Organization |
| PNEC | Predicted No Effect Concentration | IATA | International Air Transportation Association |
| NOEC | No Observed Effect Concentration | ACGIH | American Conference of Governmental Industrial Hygienists |
| $LC_{50}$ | Lethal Concentration 50% | NFPA | National Fire Protection Association |
| $LD_{50}$ | Lethal Dose 50% | NTP | National Toxicology Program |
| $EC_{50}$ | Effective Concentration 50% | PBT | Persistent, Bioaccumulative, Toxic |
| $EC_X$ | Effective Concentration X% | vPvB | very Persistent, very Bioaccumulative |
| $P_{OW}$ | Partition coefficient Octanol: Water | CMR | Carcinogens, mutagens or substances toxic to reproduction |
| BCF | Bioconcentration factor | RPE | Respiratory Protective Equipment |
| ED | Endocrine disruptor | | |

## Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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