



Reference / Product name:
CSD Disc
Version/Revision (date): 1/08.06.2017
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SAFETY DATA SHEET

According to GHS – GLOBAL HARMINISED SYSTEM

Reg. EC 1907/2006 and to Reg. EU 453/2010

1. Identification of the product and of the company/undertaking

1.1 Product identifier

CSD Disc 100x13x6mm with Shank

CSD Disc 150x13x8mm with Shank

CSD Disc 100x13mm Red

CSD Disc 150x13mm Red

Cleaning Disc 51mm Red

1.2 Use of the product

Abrasive material for mechanical industry

1.3 Details of the supplier of the voluntary product information:

Company: Mirka Ltd

Address: Pensalavägen 210
FI-66850 Jeppo, Finland

Phone: +358 20 760 2111

National contact: sales@mirka.com

1.4 Emergency telephone number:

+358 20 760 2111

Opening hours: Monday – Friday at 08:00 a.m. – 04:00p.m. (UTC/GMT +2:00/+3:00)

2. Hazards identification

Classification The product is classified not hazardous according to Reg. 1272/2008

Hazards for Human No relevant hazards.

Hazards for Environment No relevant hazards.

Physical or Chemical Hazards
No relevant hazards.

3. Composition/information on ingredients

Material is composed of abrasive powders supported on an inert matrix of nylon and cotton or polyester tissue binded by a polymeric binder.

| Matrix | Substance | Hazard Symbol | Hazard Classification | RTECS | CAS N. | EC N. | % by Weight |
|--------------------------|-----------------------|----------------------|-----------------------|-----------|----------|-----------|-------------|
| Abrasive material | | | | | | | |
| Abrasive powders | Silicon carbide (SiC) | - | - | VW0450000 | 409-21-2 | 206-991-8 | 100 |
| | | TSCA 8 (b) inventory | | Listed | | | |

| Structural support | | | |
|---------------------------|-----------------------------|---------------|----------------|
| Matrix | Structural Component | Hazard Symbol | Classification |
| Support | Nylon (polyamide 6,6) | - | - |
| | Plastic tissue | - | - |
| Binder | Inert polymeric binder film | - | - |

4. First aid measures

| | |
|----------------------|---|
| Preamble: | Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used |
| General information: | In case of eyes and skin contact, give priority to eyes first aid measures |
| Eye contact: | Rinse opened eye for several minutes under running water and seek immediate medical advice, showing this MSDS |
| Skin contact: | Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly. |
| Inhalation: | Supply fresh air; consult doctor in case of complaints |
| Swallowing: | No negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS |

5. Fire fighting measures

| | |
|--------------------------------|--|
| Suitable extinguishing agents: | CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam |
| Protective equipment: | Ordinary protective equipment in case of fire-fighting |
| Specific risks: | None |

6. Accidental release measures

Not applicable to the article.

7. Handling and storage

| | |
|-----------|---|
| Handling: | Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components. |
|-----------|---|

Storage: Keep in cool, dry, ventilated storage in closed original containers. Do not drink or eat near the storage place.

8. Exposure controls/Personal protection

Risk scenario: Any risk concerning the use in mechanical industry
Experimental toxicological data are not available concerning specific exposure scenarios. Hazard classification of this product was done according to Reg. 1272/2008/EC and other available information

Information about design of technical facilities:
Ensure good ventilation/exhaustion at the workplace. Safety washing water must be available for skin and eyes

Exposure limit values:

| Exposure limit values | Substance | OSHA 2014 TWA (mg/m ³) | | ACGIH 2010 TWA (mg/m ³) | |
|-----------------------|------------------------------------|---|---------------------|-------------------------------------|---------------------|
| | | Total | Respirable fraction | Inhalable fraction | Respirable fraction |
| | Silicon carbide | 15 | 5 | 10 | 3 |
| | Particles not otherwise classified | 10 mg/m ³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m ³ inhalable fraction (TWA 8 h, ACGIH 2014) | | | |

Respiratory protection: In case of brief exposure use respiratory filter device.

Eye protection: Safety goggles or face shield

Hand protection: Protective gloves for chemical products, according to standard EN374; materials for long contact time

Skin protection: Use protective clothes and protective shoes

Other information: Abrasive materials used are inert and cannot cause risks when correctly stored and managed. During use on machineries, they request safety precautions for workers. The most part of powder particles comes from the processed material and eventually from the cooling liquid. Consequently attention and safety precautionary measures on vapours and dusts environmental removing must be applied. Follow the local Safety Management standards and instructions

9. Physical and chemical properties

Appearance: Solid abrasive material

Odour: Odourless

PH: n.a.

Charge: n.a.

Boiling point: n.a.

Melting point: n.a.

Flash point: n.a.

Vapour pressure: n.a.

Water solubility at 20°C: Not soluble

Volatile organic chemicals (VOC):

No volatile chemicals (VOC) are present at detectable level

Partition coefficient n-octanol/water:

n.a.

10. Stability and reactivity

Stability: Stable in normal handling and storage conditions

Conditions/materials to avoid:

Keep away from strong oxidizers and electrostatic charges

Dangerous decomposition products:

After overheating and drying, thermal decomposition at °T > 250°C can produce dangerous vapours as carbon dioxide, carbon oxide and nitrogen oxides

11. Toxicological information

Material is inert on structural matrix. Data are referring to used abrasive components

Carcinogenic effects: n.a.

Mutagenic effects: n.a.

Acute toxicity: SiC (Silicon Carbide): no available data

Chronic toxicity: n.a.

Skin: Mechanical irritating effects

Inhalation: Irritating (superior respiratory system). Powders produced during use can cause respiratory irritating effects

Eyes: Mechanical irritating effects: symptoms can be irritating, reddening, damages of corneal surface, tearing. Powders produced during use can cause eyes irritating effects

Other negative effects: Other risks can be caused depending on the abrasion process material used

12. Ecological information

Ecological toxicity: SiC (Silicon carbide): no available data

Mobility: n.a.

Biopersistence: n.a.

Biodegradability: n.a.

Potential of bioaccumulation: n.a.

13. Disposal considerations

Disposal recommendation: Recovery if possible.
Waste and uncleaned packages must be disposed of in accordance with state and local environmental regulations.

14. Transport information

Transport classification and regulation: ONU number: n.a.
ADR/RID: not regulated (road and railway)
ICAO/IATA: not regulated (air transport)
IMDG/IMO: not regulated (maritime transport)

15. Regulatory information

| | |
|----------------------------------|------|
| GHS Hazard labeling symbols: | None |
| UE Hazard labeling symbols: | None |
| U.S.A. OSHA labeling symbols: | None |
| Canada WHIMIS labeling symbols: | None |
| GHS hazard statements: | None |
| UE hazard statements: | None |
| U.S.A. OSHA hazard statements: | None |
| Canada WHIMIS hazard statements: | None |

Precautionary statements (Dir. 67/548/CE):

- S 22** Do not breathe dust
- S 39** Wear eye/face protection
- P 260** Do not breathe dust
- P 280** Wear protective gloves/eye/face protection

Other regulation references: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act Chemical Substance Inventory (see section 3)

Reg. EC 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives EC 67/548 and EC 1999/45, and amending Reg. EC 1907/2006 (Reach)

Product does not contain detectable amounts of:

- substances classified carcinogenic cat. 1 or cat. 2
- substances included in the ECHA Candidate list of SVHC
- substances included in the Reach annex 14 (authorization)
- No restriction are applicable according to UE Reach Regulation (Annex 17 and following amendments)

16. Other information

GHS Hazard statements (full text) (§ 3): None

Further informations and references

Informations are updated to:

- GHS "Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, 1st Revised Edition 2005"
- ANSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation
- Hazard Communication Standard 29 CFR 1910.1200
- Reg. EC 1272/2008 and following amendments
- NIOSH: Registry of toxic effects of chemical substances
- ACGIH: American Conference of Governmental Industrial Hygienists, 2014

When applicable, according to Reg. 1907/2006/EC - chapter II, all substances used in this preparation where registered

Product is according to Reg. 1907/2006/EC – title II requirements (registration of substances)

Dir. EC 42/2006 (machineries directive): not applicable.

Dir. EC 65/2011 (Rohs 2): not applicable



ABBREVIATIONS AND ACRONYMS

LD50 Average letal dose
TLV - TWA Threshold Limit Value - Time Weighted Average
STEL Short Term Exposure Limit
OES Occupational Exposure Standard
REACH Registration, Evaluation, Autorisation of Chemicals
ECHA European Chemical Agency
RTECS Registry of Toxic Effects of Chemical Substances (U.S.A.)
OSHA Occupational Safety and Health Administration
NIOSH National Institute for Occupational Safety and Health
ACGIH American Conference of Governmental Industrial Hygienists
TSCA Toxic Substances Control Act
WHMIS Workplace Hazardous Materials Information System (Canada)
OSHA Occupational Safety and Health Administration
n.a. Not applicable/Not available

DISCLAIMER

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