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TZ59

Product code:

All Cibo product codes starting with "TZ59".

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

Company

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Product

Identification: TZ59 – abrasive cloths in belts, sheets, rolls
Application: Coated abrasive material used for sanding and finishing operations of various materials, including metals.

Imported notice

Coated abrasives are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific measures to protect the operators. During the grinding operation 90% or more of the particulates of the dust come from the material being ground and, for wet grinding, from aerosols generated by the grinding fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

CHAPTER 2: Hazards identification

Not applicable: coated abrasives are not dangerous products as stated in EC Directive n° 88/379. Abrasives are not dangerous substances or preparations as defined in EC directive n°99/45.

CHAPTER 3: Composition/information on ingredients

Substances

Chemical Nature

Mixture of glassfiber backing, nylon fibers, abrasive grain and cured adhesive.

The product contains the following ingredients which are classified according to 67/548/EEC, 1999/45/EC or regulation (EC) No 1272/2008:

Substance	EC-Nr	CAS-Nr.	Concentration	Classification acc. to regulation (EC) No 1271/2008	Classification acc. to directive
				Hazard Class	Hazard Statements
Cryolite = sodium aluminium fluoride	237-410-6	13775-53-6	0% - 15%	Acut. Tox. Cat. 4 STOT rep. Ex Cat. 1 Repro Tox. Chron. Aqu. Cat. 2	H 332 H372 H362 H411 T: R48/23/25 Xn: R20; R22 N: R51/53
Potassium flouoroborate	237-928-2	14075-53-7	0% - 20%	Eye Dam. Cat. 2	H319 Xi: R36

CHAPTER 4: First aid measures

NOT APPLICABLE WHEN COATED ABRASIVES ARE NOT IN USE ON MACHINE.

The following recommendations are basic rules during a grinding operation, they must be followed in conjunction with the information appearing in the Safety data sheet of the material ground and of the grinding fluid when used.

Description of first aid measures

If inhaled:	Remove from exposure; seek medical advice if symptoms persist.
In case of skin contact:	No hazardous effect known.
In case of eye contact:	Remove from exposure and flush with clean water. If symptoms persist seek medical advice.
If swallowed:	No hazardous effect known.

CHAPTER 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Water, powder, foam, sand, Carbon dioxide (CO₂) can be used compatible with operating conditions.

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Smoke and fumes, toxic.

Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

CHAPTER 6: Accidental release measures

Not applicable

CHAPTER 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Follow recommendations for machines and national regulations. Store coated abrasives in moderate constant temperature and humidity conditions.

CHAPTER 8: Exposure controls/personal protection

NOT APPLICABLE WHEN COATED ABRASIVES ARE HANDLED OR STORED.

During the grinding operation with coated abrasives particles of dust come from the material being ground. The general value for dust is max 6 mg/m³. When using coated abrasives, refer to grinding machines instructions and to the national rules.

Control parameters

Components	CAS-No.	Value	mg/m ³	Basis
General dust limit (alveolar fraction)		Air 8 h	1,5	MAK, TRGS 900
		Air 8 h	3	Belgium
		Air 8 h	5	France
		Air 8 h	3	Italy
		Air 8 h	5	Norway
		Air 8 h	3	Portugal
		Air 8 h	3	Spain
		Air 8 h	5	Sweden
		Air 8 h	3	Switzerland
		Air 8 h	4	United Kingdom

Exposure controls

Engineering measures: Local exhaust.

Personal protective equipment

Respiratory protection: Use of dust mask.

Hand protection: Use barrier cream and protective gloves.

Eye protection: Machine guarding and safety goggles or face shield.

Ear protection: Use of ear defenders or equivalent.

Skin and body protection: Use of suitable protective clothing.

Hygiene measures: When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday. Keep working clothes separately.

Protective measures: /

Environmental exposure controls

General advice: /

CHAPTER 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Solid
 Colour: Variable
 Odour: Not applicable (may give off nonspecific smell in use)
 Viscosity: Not applicable
 pH-waarde (at 20°C): Not applicable

Changes in the physical state

Melting point: Not applicable
 Flash point: Not applicable

Inflammability

Solid: Not applicable
 Gas: Not applicable

Explosive properties

Lower explosion limit: Not applicable
 Upper explosion limit: Not applicable

Vapor pressure: Not applicable

Density: Not applicable
 Water solubility: Not defined
 Partition coefficient: n-octanol/water: No data available
 Auto-ignition temperature: No data available
 Ignition temperature: No data available
 Thermal decomposition: No data available
 Bulk density: Not applicable

CHAPTER 10: Stability and reactivity

Coated abrasives are stable and non reactive when handled or stored.

Reactivity: Stable at ambient temperature and pressure.
Chemical stability: No decomposition if stored normally.
Possibility of hazardous reactions No hazardous reactions known
Conditions to avoid Not applicable.
Incompatible materials
Materials to avoid Strong acids, strong bases and strong oxidants agents may modify the mechanical characteristics of the products and create safety hazards when used in machines.
Hazardous decomposition products At temperatures exceeding 250 °C hazardous or toxic decomposition products may be generated.

CHAPTER 11: Toxicological information

NON APPLICABLE WHEN HANDLED OR STORED.

According to the experience gathered for many years, coated abrasives, when properly used have no adverse effect on health, refer to the preliminary note about dust and aerosols of grinding fluid.

Information on toxicological effects

Acute oral toxicity: /

Skin corrosion/irritation: /

Serious eye damage/irritation: /

Respiratory or skin sensitization: /

STOT - repeated exposure: /

CHAPTER 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicology assessment

Acute aquatic toxicity: Not applicable.

Chronic aquatic toxicity: Not applicable.

Persistence and degradability

Biodegradability: Not defined.

Bio accumulative potential

Bioaccumulation: Not applicable.

Mobility in soil

Distribution among environmental compartments: Not applicable.

Results of PBT and vPvB assessment

Assessment: /

Other adverse effects

Further information: No data available

CHAPTER 13: Disposal considerations

Waste treatment methods: After use, coated abrasives may be contaminated with hazardous materials (particles of cooling agents) and should be disposed in accordance with national regulations.

CHAPTER 14: Transport information

Land transport (ADR/RID)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Marine transport (IMDG/IMO)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Air transport (IATA/ICAO)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Special precautions for users See this safety data sheet chapter 6 & 8

DEEL 15: Regulatory information

EC-Regulations: NONE, no specific marking required under EC-Directive n° 88/379.
National or local Regulations: Refer to relevant texts.

DEEL 16: Other information

Hazard statements referred to in section 2 and 3:

According to Directive 67/548/EWC

- R20/22: Harmful by inhalation and if swallowed
- R36: Irritating to eyes
- R48/23/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
- R51/53: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

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