

Updated on 29-01-18

## RCD

**Product code:**

RCD/CO/115	RCD/CO/125
RCD/ME/115	RCD/ME/125
RCD/VF/115	RCD/VF/125
RCD/XC/115	RCD/XC/125
RCD/UC/115	RCD/UC/125

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

### Company

**Company name:** Cibo NV  
**Street:** Deugenietstraat 5  
**Town:** 3150 Tildonk – België  
**Telephone:** Tel: +32 (0)16 61 85 85 Fax: +32 (0)16 61 84 84  
**E-mail:** info@cibo.be  
**Website:** www.cibo.be/en  
**Responsible/issuing person:** Product Safety Department

### Product

**Identification:** RCD finishing disc  
**Application:** Industrial abrasive used for sanding and finishing operations of various materials, including metals.  
**Emergency telephone number (0-24h):** +32-70/245245

## CHAPTER 2: Hazards identification

### Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

The abrasive product itself is classified as an article and is not a substance or mixture classified as dangerous according to Regulation (EC) No. 1272/2008.

**Classification (67/548/EEC, 1999/45/EC)**

The abrasive product is classified as an article and is not a substance classified as dangerous according to Directive 67/548/EEC.

### Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

## Other Hazards

During use, dust may form, which may form ignitable mixtures with air - risk of dust explosion.  
Health injuries are not known or expected under normal use.

Always observe the maximum RPM as shown on the label.

## 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 regulation (EC) No 1272/2008 or ingredients for which occupational exposure limit values exist:

Substance	CAS-Nr.	Concentration	Classification acc. to regulation (EC) No 1271/2008	Precautionary statements	
			Hazard Class	Hazard Statements	
Aluminium oxide mineral (non fibrous)	1344-28-1	15% - 30%			
Paraffin Wax	8002-74-2	0,05% - 1%			
Titanium dioxide	13463-67-7	0,05% - 0,5%			
Mineral Oil	8042-47-5	0 - 0,15%			
Cryolite = sodium aluminium fluoride	13775-53-6	0% - 5%	Acut Tox. Cat. 4 STOT rep. Ex. Cat. 1 Repro Tox. Chron. Aqu. Cat. 2	H 332 H372 H362 H411	P260 / P301+P310 / P304+P340
Potassium fluoroborate	14075-53-7	0% - 5%			

For the full text of the Hazard and Precautionary statements, please see section 16.

## CHAPTER 4: First aid measures

### Description of first aid measures

- If inhaled:** During use, dust may be formed. If this dust is inhaled, move to fresh air. Use in well-ventilated area.
- In case of skin contact:** During use, dust may be formed. Wash off with water and soap.
- In case of eye contact:** During use, dust may be formed which may irritate the eyes. Rinse with plenty of water.
- If swallowed:** During use, dust may be formed. If swallowed, clean mouth with water and drink afterwards plenty of water.

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

**Symptoms:** No information available.

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

**Treatment:** Treat symptomatically.

## CHAPTER 5: Firefighting measures

### Extinguishing media

**Suitable extinguishing media:** Water spray.  
Foam.  
Carbon dioxide (CO<sub>2</sub>).  
Dry chemical.  
Sand.

### Special hazards arising from 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:

Take precautionary measures against dust formation during use. Handle with adequate ventilation.  
 Keep away from sources of ignition - No smoking.  
 Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use.

### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers:** Store at room temperature in the original packaging.  
 Keep in a dry place.

### Specific end uses

Consult the technical guidelines for the use of this product.

## CHAPTER 8: Exposure controls/personal protection

### Control parameters

#### Control parameters

Components	CAS-No.	Value	Control Parameters	Basis
General dust limit (alveolar fraction)		Air 8 h	1,5 mg/m <sup>3</sup>	MAK, TRGS 900
		Air 8 h	3 mg/m <sup>3</sup>	Belgium / Italy / Portugal / Spain / Switzerland
		Air 8 h	4 mg/m <sup>3</sup>	United Kingdom
		Air 8 h	5 mg/m <sup>3</sup>	France / Norway / Sweden
Cryolite	13775-53-6	Air 8 h	2,5 mg/m <sup>3</sup>	EU
Paraffin Wax	8002-2-74-2	Air 8 h	2 mg/m <sup>3</sup>	EU
Titanium Dioxide	13463-67-7	Air 8 h	10 mg/m <sup>3</sup>	EU
Potassium Fluoroborate	14075-53-7	Air 8 h	2,5 mg/m <sup>3</sup>	EU

### Exposure controls

#### Engineering measures

Use appropriate local exhaust ventilation for sanding and grinding operations. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant exposure limits. If ventilation is inadequate, use respiratory protection equipment.

## Personal protective equipment

<b>Respiratory protection:</b>	Half mask with a particle filter P2 (EN 143). Necessary, in case of dust formation and inadequate ventilation.
<b>Hand protection:</b>	Protective gloves with good abrasion resistance.
<b>Eye protection:</b>	Safety glasses.
<b>Skin and body protection:</b>	Long sleeved clothing
<b>Hygiene measures:</b>	When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday. Keep working clothes separately.
<b>Protective measures:</b>	/
<b>Environmental exposure controls</b>	
<b>General advice:</b>	/

## CHAPTER 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance:</b>	Solid
<b>Colour:</b>	Product specific
<b>Odour:</b>	/
<b>pH</b>	/
<b>Melting point/range:</b>	> 200°C
<b>Flash point:</b>	>> 100°C
<b>Upper explosion limit:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Density:</b>	Product Specific
<b>Water solubility:</b>	Not soluble
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Ignition temperature:</b>	No data available
<b>Thermal decomposition:</b>	Stable under normal storage and handling temperatures. May decompose at temperatures higher than 250°C.
<b>Bulk density:</b>	No data available

## CHAPTER 10: Stability and reactivity

<b>Reactivity:</b>	Stable at ambient temperature and pressure.
<b>Chemical stability:</b>	No decomposition if stored normally.
<b>Possibility of hazardous reactions</b>	No hazardous reactions known

**Conditions to avoid** Avoid dust formation. Sources of ignition

**Incompatible materials**

**Materials to avoid** Strong-oxidizing agents

**Hazardous decomposition products** At temperatures exceeding 250°C, hazardous or toxic decomposition products may be generated.

## CHAPTER 11: Toxicological information

**Information on toxicological effects**

**Signs and symptoms of exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:** Dust from grinding or sanding may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain

**Skin contact:** Mechanical skin irritation: signs/symptoms may include abrasion, redness, pain, itching

**Eye contact:** Mechanical eye irritation: signs/symptoms may include pain, redness, tearing and corneal abrasion. Dust created by grinding and sanding may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing and blurred or hazy vision.

**Carcinogenity:** Titanium dioxide is listed as a possible carcinogen by the International Agency for Research on Cancer.

This product contains a very small amount of titanium dioxide. Cancer of the lungs has been observed in rats that inhaled high levels of titanium dioxide. No exposure to inhaled titanium dioxide is expected during the normal handling and use of this product. Titanium dioxide was not detected when air sampling was conducted during simulated use of similar products containing titanium dioxide. Therefore, the health effects associated with titanium dioxide are not expected during normal use of the product.

**Toxicological data**

**Acute Toxicity:**

Name	Route	Species	Value
Overall product	Ingestion		No data available. Calculated acute toxicity estimate > 5000 mg/kg
Cryolite	Ingestion	Rat	LD50 > 5000 mg/kg
Aluminium oxide mineral	Dermal		LD 50 estimated to be > 5000 mg/kg

Aluminium oxide mineral	Inhalation dust	Rat	LC50 > 2,3 mg/l
Aluminium oxide mineral	Ingestion	Rat	LD50 > 5000 mg/kg
Paraffin Wax	Dermal	Rat	LD50 > 5000 mg/kg
Paraffin Wax	Ingestion	Rat	LD50 > 5000 mg/kg
Titanium dioxide	Dermal	Rabbit	LD50 > 10000 mg/kg
Titanium Dioxide	Inhalation Dust	Rat	LC50 > 6,82 mg/kg
Titanium Dioxide	Ingestion	Rat	LD50 > 10000 mg/kg

**Skin corrosion/irritation:** None of the components show significant irritation when tested on rabbits

**Serious eye damage/irritation:** Paraffin wax is a mild eye irritant

**Skin sensitization:** None of the components is a skin sensitization agent when tested on guinea pigs.

**Mutagenicity:** None of the components is mutagenic.

**Carcinogenicity:**

Name	Route	Species	Value
Aluminium oxide mineral	Inhalation	Rat	Not carcinogenic
Paraffin Wax	Ingestion	Rat	Not carcinogenic
Titanium Dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium Dioxide	Inhalation	Rat	Carcinogenic
Mineral oil	Dermal	Mouse	Not carcinogenic
Mineral oil	Inhalation	Multiple animal species	Not carcinogenic

**Reproductive toxicity:** None of the components is toxic to reproductively

**Specific Target Organ Toxicity – single exposure**

## Cryolite:

Repeated and chronic exposure to Cryolite can result in loss of weight, anorexia, anaemia, dental effects, eosinophilia, disorders of growth in young individuals. Gastro-intestinal, circulatory, respiratory and neurological disorders, itching. Possibility of constipation and pain located with the area of the liver. Possible fluorosis: brittleness of the bones, rigidity of the joints and decalcification of the bones.  
When ingested, this product releases fluoride ions.

## CHAPTER 12: Ecological information

### Product:

#### Ecotoxicology assessment

**Acute aquatic toxicity:** Not classified due to lack of data.

**Chronic aquatic toxicity:** Not classified due to lack of data.

#### Persistence and degradability

##### Product:

**Biodegradability:** No data available.

#### Bio accumulative potential

##### Product:

**Bioaccumulation:** No data available.

#### Mobility in soil

##### Product:

**Distribution among environmental compartments:** No data available.

#### Results of PBT and vPvB assessment

##### Product:

**Assessment:** Based on available data, the classification criteria are not met.

#### Other adverse effects

##### Product:

**Further information:** No data available.

## CHAPTER 13: Disposal considerations

**Waste treatment methods:** Take to an established disposal company according to the waste regulations.



## CHAPTER 14: Transport information

### UN number

#### ADR

No dangerous goods

#### IMDG

No dangerous goods

#### IATA

No dangerous goods

### Proper shipping name

#### ADR

No dangerous goods

#### IMDG

No dangerous goods

#### IATA

No dangerous goods

### Transport hazard class

#### ADR

No dangerous goods

#### IMDG

No dangerous goods

#### IATA

No dangerous goods

### Packing group

#### ADR

No dangerous goods

#### IMDG

No dangerous goods

#### IATA

No dangerous goods

### Environmental hazards

#### ADR

No dangerous goods

#### IMDG

No dangerous goods

#### IATA

No dangerous goods

### Special precautions for users

See this safety data sheet chapter 6 & 8.

## DEEL 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**Major accident hazard legislation:** Directive 96/82/EC does not apply.

**Other regulations:** /

### Chemical Safety Assessment

A chemical Safety Assessment is not required for this substance.

## DEEL 16: Other information

### Hazard statements referred to in section 2 and 3:

#### According to Regulation (EC) No 1272/2008:

H319:	Causes serious eye irritation
H332:	Harmful if inhaled
H362:	May cause harm to breast-fed children
H372:	Causes damage to organs through prolonged or repeated exposure
H411:	Toxic to aquatic life with long lasting effects

### Precautionary statements referred to in section 2 and 3:

#### According to Regulation (EC) No 1272/2008

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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