

Updated on 11-08-16

**237AA**

Product code:

237AA

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

### Company

**Company name:** Cibo nv/sa  
**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:** Bram Gilles

### Product

**Identification:** Abrasive Products, Trizact™ 237AA, A6-A100  
**Application:** Abrasive Product

Imported notice

## 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.

### 2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### 2.2. Label elements

Signal word  
Not applicable.

### Symbols

Not applicable.

### Pictograms

Not applicable.

### 2.3. Hazards not otherwise classified

None.

30% of the mixture consists of ingredients of unknown acute oral toxicity.

## CHAPTER 3: Composition/information on ingredients

### 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
<b>Aluminium Oxide Mineral (non-fibrous)</b>		1344-28-1	15% - 40%		
<b>Inorganic Fluoride</b>		14075-53-7	5% - 15%		
<b>Titanium Dioxide</b>		13463-67-7	0,1% - 2%		
<b>Filler</b>		1332-58-7	0,1% - 2%		
<b>Cured Resin</b>		Mixture	10% - 35%		
<b>Cloth Backing</b>		Mixture	25% - 50%		
<b>Attachment Button</b>		Mixture	0% - 10%		

## CHAPTER 4: First aid measures

### Description of first aid measures

**If inhaled:** Remove person to fresh air. If you feel unwell, get medical attention

**In case of skin contact:** Wash with soap and water. If signs/symptoms develop, get medical attention.

**In case of eye contact:** Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If swallowed:** No need for first aid is anticipated.

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

See Section 11 Information on toxicological effects.

### Indication of any immediate medical attention and special treatment required.

Not applicable

## CHAPTER 5: Firefighting measures

### Extinguishing media

Suitable extinguishing media: Material will not burn. Use a fire-fighting agent suitable for the surrounding fire.

### Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: None inherent in this product.

### Hazardous Decomposition or By-products

Substance Condition

Carbon monoxide During Combustion

Carbon dioxide During Combustion

### Advice for fire-fighters

Special protective equipment for fire-fighters: No special protective actions for fire-fighters are anticipated.

## CHAPTER 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Observe precautions from other sections.

### Environmental precautions

Not applicable.

### Methods and material for containment and cleaning up

Not applicable.

## CHAPTER 7: Handling and storage

### Precautions for safe handling

**Advice on safe handling:** For Industrial or professional use only. Avoid breathing of dust created by sanding, grinding or machining. 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. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Solids can generate static electricity charges when transferred and in mixing operations sufficient to be an ignition source. Evaluate the need for precautions, such as grounding and bonding, low energy transfer of material (e.g. low speed, short distance), or inert atmospheres. Combustible dust may form by action of this product on another material (substrate). Dust generated from the substrate during use of this product may be explosive if in sufficient concentration with an ignition source. Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary explosions.

### Conditions for safe storage including any incompatibilities

No special storage requirements

## CHAPTER 8: Exposure controls/personal protection

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

### Control parameters

Component	CAS-No	Agency	Mg/m <sup>3</sup>	Additional comments
Filler	1332-58-7	ACGIH	TWA: respirable fraction: 2	A4 Not class. as human carcin
Kaolin, total dust	1332-58-7	OSHA	TWA: total dust: 15 TWA: respirable fraction: 5	
Aluminum Oxide Mineral (non-fibrous)	1344-28-1	CMRG	TWA: 1 fiber/cc	
Aluminum Oxide Mineral (non-fibrous)	1344-28-1	OSHA	TWA: total dust: 15 TWA: respirable fraction: 5	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA: respirable fraction: 1	A4 Not class. as human carcin
Titanium Dioxide	13463-67-7	ACGIH	TWA: 10	A4 Not class. as human carcin
Titanium Dioxide	13463-67-7	CMRG	TWA: respirable dust: 5	
Titanium Dioxide 1	13463-67-7	OSHA	TWA: total dust: 15	

Filler 1332-58-7 ACGIH TWA: respirable fraction: 2 A4 Not class. as human carcin

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

### Exposure controls

**Engineering controls:** Provide appropriate local exhaust ventilation for sanding, grinding or machining.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Provide local exhaust at process emission sources to control exposure near the source and to prevent the escape of dust into the work area. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal protective equipment

**Respiratory protection:** Assess exposure concentrations of all materials involved in the work process.

Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece air-purifying respirator suitable for particulates.

**Hand protection:** Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

**Eye/face protection:** To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Safety Glasses with side shields.

**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:** /

For questions about suitability for a specific application, consult with your respirator manufacturer.

## Environmental exposure controls

General advice: /

### CHAPTER 9: Physical and chemical properties

#### Information on basic physical and chemical properties

**Appearance:** Solid abrasive product

**Color:** Solid Abrasive Product

**Odor:** Not applicable (may give off nonspecific smell in use)

**Viscosity:** Not applicable

**pH (at 20°C):** Not applicable

#### Changes in the physical state

**Melting point:** Not applicable

**Flash point:** Not applicable

#### Inflammability

**Solid:** Not classified

**Gas:** Not classified

#### Explosive properties

**Lower explosion limit:** Not applicable

**Upper explosion limit:** Not applicable

**Vapor pressure:** Not applicable

**Density:** Not applicable

**Water solubility:** Not applicable

**Partition coefficient: n-octanol/water:** Not applicable

**Auto-ignition temperature:** Not applicable

**Ignition temperature:** Not applicable

**Thermal decomposition:** Not applicable

**Bulk density:** Not applicable

## CHAPTER 10: Stability and reactivity

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

**Reactivity:** This material is considered to be non-reactive under normal use conditions

**Chemical stability:** Stable

**Possibility of hazardous reactions** Hazardous polymerization will not occur

**Conditions to avoid** None known

### Incompatible materials

**Materials to avoid** None known

### Hazardous decomposition products

**Substance** None known

**Condition** None known

Refer to section 5.2 for hazardous decomposition products during combustion.

## CHAPTER 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 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, sanding or machining 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, and itching.

Allergic Skin Reaction (non-photo induced) in sensitive people: Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye Contact:**

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

**Ingestion:**

No known health effects.

**Carcinogenicity:**

Ingredient	CAS-No.	Class Description	Regulation
Titanium Dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

**Additional Information:**

This product, when used under reasonable conditions and in accordance with the Cibo directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

This document covers only the Cibo product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered.

This product contains 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 the normal use of this product.

**Acute toxicity:**

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
Aluminium Oxide Mineral (nonfibrous)	Dermal		LD50 estimated to be >5,000 mg/kg
Aluminum Oxide Mineral (nonfibrous)	Inhalation – Dust/Mist (4 hours)	Rat	LC50 > 2,3 mg/l
Aluminum Oxide Mineral (nonfibrous)	Ingestion	Rat	LD50 > 5,000 mg/kg
Inorganic Fluoride	Dermal		LD50 estimated to be > 5,000 mg/kg
Inorganic Fluoride	Inhalation – Dust/Mist (4 hours)	Rat	LC50 > 5,3 mg/l
Inorganic Fluoride	Ingestion	Rat	LD50 > 5,854 mg/kg
Titanium Dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium Dioxide	Inhalation – Dust/Mist (4 hours)	Rat	LC50 > 6,82 mg/l
Titanium Dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Filler	Dermal		LD50 estimated to be > 5,000 mg/kg
Filler	Ingestion	Human	LD50 > 15,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion / Irritation:**

Name	Species	Value
Aluminium Oxide Mineral (nonfibrous)	Rabbit	No significant irritation
Inorganic Fluoride	Rabbit	No significant irritation
Titanium Dioxide	Rabbit	No significant irritation
Filler	Professional judgement	No significant irritation

**Serious Eye Damage / Irritation:**

Name	Species	Value
Aluminium Oxide Mineral (nonfibrous)	Rabbit	No significant irritation
Inorganic Fluoride	Rabbit	No significant irritation
Titanium Dioxide	Rabbit	No significant irritation
Filler	Professional judgement	No significant irritation

**Skin Sensitization:**

Name	Species	Value
Titanium Dioxide	Human and animal	No sensitizing

**Respiratory Sensitization:**

For the component (s), either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity:**

Name	Species	Value
Aluminium Oxide Mineral (nonfibrous)	In vitro	Not mutagenic
Titanium Dioxide	In vitro	Not mutagenic
Titanium Dioxide	In vivo	Not mutagenic

**Carcinogenicity:**

Name	Route	Species	Value
Aluminium Oxide Mineral (nonfibrous)	Inhalation	Rat	Not carcinogenic
Titanium Dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium Dioxide	Inhalation	Rat	Carcinogenic
Filler	Inhalation	Multiple animal species	Not carcinogenic



## Reproductive Toxicity

### Reproductive and/or Developmental Effects:

For the component/components, either no data are currently available or the data are not sufficient for classification.

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure:

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Specific Target Organ Toxicity – repeated exposure:

Name	Route	Target Organ (s)	Value	Species	Test Result	Exposure Duration
Aluminium Oxide Mineral (nonfibrous)	Inhalation	Pneumoconiosis – pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	Occupational exposure
Titanium Dioxide	Inhalation	Respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0,01 mg/l	2 years
Titanium Dioxide	Inhalation	Pulmonary fibrosis	All data are negative	Human	NOAEL Not available	Occupational exposure
Filler	Inhalation	Pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	Occupational exposure
Filler	Inhalation	Pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	

## Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

## CHAPTER 12: ECOLOGICAL INFORMATION

### Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

### Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

## 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

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

The substrate that was abraded must be considered as a factor in the disposal method for this product. Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. As a disposal alternative, utilize an acceptable permitted waste disposal facility.

## CHAPTER 14: Transport information

EPA Hazardous Waste Number (RCRA): Not regulated

**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

## CHAPTER 15: Regulatory information

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

## CHAPTER 16: Other information

NFPA Hazard Classification

Health: 0

Flammability: 1

Instability: 0

Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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.

CIBO nv/sa  
Deugenietstraat 5  
3150 Tildonk - België

T +32 (0)16 61 85 85  
F +32 (0)16 61 84 84  
info@cibo.be - www.cibo.be

BE 0403 556 028  
RPR Leuven  
Steuernummer DE 42/678/27011

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