

Updated on 09-01-23

Product code: VT

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

Company

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Product

Product: VT
Identification: Bands, Belts, Discs, Rolls, Quick Change, Threaded Hub, Abrasive Product
Application:

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

2.1. Classification

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

2.2. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not applicable.

2.3. Other hazards

None.

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

CHAPTER 3: Composition/information on ingredients

3.1 Substances

| Ingredient | C.A.S. No. | % by Wt |
|---|-------------------|----------------|
| Metal Attachment Button TS | Mixture | 0 - 5 |
| Aluminum Oxide Mineral (non-fibrous) | 1344-28-1 | 25 - 45 |
| Lubricant | 8002-74-2 | 0.2 - 4 |
| Titanium Dioxide | 13463-67-7 | 0.2 - 2 |
| Lubricant | 8042-47-5 | 0 - 0.5 |
| Cured Resin | Mixture | 10 - 35 |
| Nylon Fiber | Mixture | 10 - 35 |
| Polyester Scrim | Mixture | 5 - 15 |
| Poly(Vinyl Chloride) | 9002-86-2 | 0.5 - 2.25 |
| Quick Change Attachment: TP, TR, TS, Threaded Hub | Mixture | 0 - 5 |

CHAPTER 4: First aid measures

See also section 8 and 16

4.1. Description of first aid measures

| | |
|---------------|---|
| Inhalation: | Remove person to fresh air. If you feel unwell, get medical attention. |
| Eye contact: | Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. |
| Skin contact: | Wash with soap and water. If signs/symptoms develop, get medical attention. |
| Ingestion: | Rinse mouth. If you feel unwell, get medical attention. |

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

4.3. indication of any immediate medical attention and special treatment needed: Treat symptomatically

Not applicable

CHAPTER 5: Firefighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the product

None inherent in this product

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|------------------|-------------------|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |

5.3. Advice for fire fighters

No special protective actions for fire-fighters are anticipated.

CHAPTER 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Observe precautions from other sections.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Not applicable.

CHAPTER 7: Handling and storage

7.1. Precautions for 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. 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. Avoid breathing dust/fume/gas/mist/vapors/spray.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

CHAPTER 8: Exposure controls/personal protection

8.1. Control parameters

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.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|--------------------------------------|------------|--------|---|--------------------------------|
| Aluminum, insoluble compounds | 1344-28-1 | ACGIH | TWA(respirable fraction):1 mg/m ³ | A4: Not class. as human carcin |
| Aluminum Oxide Mineral (non-fibrous) | 1344-28-1 | CMRG | TWA:1 fiber/cc | |
| Aluminum Oxide Mineral (non-fibrous) | 1344-28-1 | OSHA | TWA(as total dust):15 mg/m ³ ;TWA(respirable fraction):5 mg/m ³ | |
| Titanium Dioxide | 13463-67-7 | ACGIH | TWA:10 mg/m ³ | A4: Not class. as human carcin |
| Titanium Dioxide | 13463-67-7 | CMRG | TWA(as respirable dust):5 mg/m ³ | |
| Titanium Dioxide | 13463-67-7 | OSHA | TWA(as total dust):15 mg/m ³ | |
| Lubricant | 8002-74-2 | ACGIH | TWA(as fume):2 mg/m ³ | |
| Paraffin oil | 8042-47-5 | OSHA | TWA(as mist):5 mg/m ³ | |
| MINERAL OILS, HIGHLY-REFINED OILS | 8042-47-5 | ACGIH | TWA(inhalable fraction):5 mg/m ³ | A4: Not class. as human carcin |
| Poly(Vinyl Chloride) | 9002-86-2 | ACGIH | TWA(respirable fraction):1 mg/m ³ | 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

8.2.2. Personal protective equipment (PPE)

| | |
|---------------------------|---|
| Respiratory protection: | Use respiratory protective equipment (Type depends on specific application and material being ground) |
| Hand protection: | Wear protective gloves. (Type depends on specific application and material being ground) |
| Eye protection: | Wear protective goggles or face shield. (Type depends on specific application and material being ground) |
| Ear protection: | Use hearing protection (Type depends on specific application and material being ground) |
| Skin and body protection: | Use protective clothing. (Type depends on specific application and material being ground) |

CHAPTER 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Physical Form: Solid
Odour, Color, Grade: Solid Abrasive Product
Odour threshold: Not Applicable
pH: Not Applicable
Melting point: Not Applicable
Boiling Point Not Applicable
Flash Point: Not Applicable
Evaporation rate: Not Applicable
Flammability (solid, gas): Not Classified
Flammable Limits(LEL): Not Applicable
Flammable Limits(UEL): Not Applicable
Vapour Pressure: Not Applicable
Vapour Density: Not Applicable
Specific Gravity: Not Applicable
Solubility In Water: Not Applicable
Solubility- in- non-water: Not Applicable
Partition coefficient: n-octanol/ water Not Applicable
Autoignition temperature: Not Applicable
Decomposition temperature: Not Applicable
Viscosity: Not Applicable

CHAPTER 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

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 labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. 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.

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 |

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.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|--------------------------------------|--------------------------------|---------|---|
| Overall product | Ingestion | | No data available; calculated ATE > 5,000 mg/kg |
| Aluminum Oxide Mineral (non-fibrous) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Aluminum Oxide Mineral (non-fibrous) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 2.3 mg/l |
| Aluminum Oxide Mineral (non-fibrous) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Lubricant | Dermal | Rat | LD50 > 5,000 mg/kg |
| Lubricant | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly(Vinyl Chloride) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Poly(Vinyl Chloride) | Ingestion | | LD50 estimated to be > 5,000 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 |
| Lubricant | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Lubricant | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------------------------------|------------------------|---------------------------|
| Aluminum Oxide Mineral (non-fibrous) | Rabbit | No significant irritation |
| Lubricant | Rabbit | No significant irritation |
| Poly(Vinyl Chloride) | Professional judgement | No significant irritation |
| Titanium Dioxide | Rabbit | No significant irritation |
| Lubricant | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------------------------------|---------|---------------------------|
| Aluminum Oxide Mineral (non-fibrous) | Rabbit | No significant irritation |
| Lubricant | Rabbit | No significant irritation |
| Titanium Dioxide | Rabbit | No significant irritation |
| Lubricant | Rabbit | Mild irritant |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | Route | Value |
|--------------------------------------|----------|---------------|
| Aluminum Oxide Mineral (non-fibrous) | In Vitro | Not mutagenic |
| Lubricant | In Vitro | Not mutagenic |
| Poly(Vinyl Chloride) | In Vitro | Not mutagenic |
| Titanium Dioxide | In Vitro | Not mutagenic |
| Titanium Dioxide | In vivo | Not mutagenic |
| Lubricant | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--------------------------------------|---------------|-------------------------|--|
| Aluminum Oxide Mineral (non-fibrous) | Inhalation | Rat | Not carcinogenic |
| Lubricant | Ingestion | Rat | Not carcinogenic |
| Poly(Vinyl Chloride) | Not Specified | Rat | Some positive data exist, but the data are not sufficient for classification |
| Titanium Dioxide | Ingestion | Multiple animal species | Not carcinogenic |
| Titanium Dioxide | Inhalation | Rat | Carcinogenic |
| Lubricant | Dermal | Mouse | Not carcinogenic |
| Lubricant | Inhalation | Multiple animal species | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|----------------------|---------------|----------------------------------|---------|-----------------------|-------------------|
| Poly(Vinyl Chloride) | Not Specified | Not toxic to development | Mouse | NOAEL Not available | during gestation |
| Lubricant | Ingestion | Not toxic to female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Lubricant | Ingestion | Not toxic to male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Lubricant | Ingestion | Not toxic to development | Rat | NOAEL 4,350 mg/kg/day | during gestation |

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 |
|--------------------------------------|------------|--|--|-------------------------|-----------------------|-----------------------|
| Aluminum Oxide Mineral (non-fibrous) | Inhalation | pneumoconiosis pulmonary fibrosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Lubricant | Ingestion | heart | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 15 mg/kg/day | 90 days |
| Lubricant | Ingestion | hematopoietic system liver immune system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,500 mg/kg/day | 90 days |
| Lubricant | Ingestion | skin endocrine system bone, teeth, nails, and/or hair muscles nervous system eyes kidney and/or bladder respiratory system vascular system | All data are negative | Rat | NOAEL 1,500 mg/kg/day | 90 days |
| Poly(Vinyl Chloride) | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 0.013 mg/l | 22 months |
| 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 |
| Lubricant | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| Lubricant | Ingestion | liver immune system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,336 mg/kg/day | 90 days |

Aspiration Hazard

| Name | Value |
|-----------|-------------------|
| Lubricant | Aspiration hazard |

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.

CHAPTER 13: Disposal considerations

13.1. Waste treatment methods

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

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. The substrate that was abraded must be considered as a factor in the disposal method for this product. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

EPA Hazardous Waste Number (RCRA): Not regulated

CHAPTER 14: Transport information

Not regulated per U.S. DOT, IATA or IMO.

DEEL 15: Regulatory information

15.1. US Federal Regulations

Contact Cibo for more information.

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

15.2. State Regulations

Contact Cibo for more information.

15.3. Chemical Inventories

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact Cibo for more information.

15.4. International Regulations

Contact Cibo for more information.

DEEL 16: Other information

16.1. Changes to the previous versions

NA

16.2. Literature and data sources

Directive (1999/45/EC), amended by Regulation (EC) N° 1907/2006.

Directive (67/548/EEC), amended by directive 2009/2/EC.

REACH regulation (EC) Nr. 1907/2006, amended by Regulation (EC) N°552/2009.

Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 790/2009.

Directive 2000/39/EC, amended by Directive 2009/161/EC.

Directive 75/324/EEC, amended by Regulation (EC) N° 219/2009.

Transport regulations according to ADR, RID und IATA.

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