

# SAFETY DATA SHEET

According to EC Regulation 1907/2006 (REACH), Attachment II

Date of issue: 15/09/1994

Last change: 01/10/2015

## TRICO BAR PAVA - TRICO VKF PAVA - AUTOPAFA CRETE PC - Part C

### 1. Identification of the Substance/Mixture and the Company/Undertaking

**Product Identifier** Trico BAR Pava - Trico VKF Pava  
Autopava Crete PC - Part C

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Coatings and paints, thinners, paint removers. Hand-mixing with intimate contact and only PPE available; Non-industrial setting. Wide dispersive indoor use resulting in inclusion into or onto a matrix. For use by appropriately trained applicators. This component contains an antimicrobial agent. Roller application or brushing. Low energy spreading of coatings. Advised against: Any other use.

**1.3 Details of the supplier of the safety data sheet**

**Supplier:** Pava Resine Srl  
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### 2. Hazard Identification

**2.1 Classification of the substance or mixture**

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

#### HAZARD STATEMENTS

|  |      |
|--|------|
| Skin Irritation, category 2            | H315 |
| Skin Sensitizer, category 1            | H317 |
| Serious Eye Damage, category 1         | H318 |
| STOT, single exposure, category 3, RTI | H335 |

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

Calcium dihydroxide, Cement, portland, chemicals

#### HAZARD STATEMENTS

|  |      |                                      |
|--|------|--------------------------------------|
| Skin Irritation, category 2            | H315 | Causes skin irritation.              |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction. |
| Serious Eye Damage, category 1         | H318 | Causes serious eye damage.           |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.    |

#### PRECAUTION PHRASES

|              |   |
|--------------|---|
| P261         | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P301+310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.   |
| P302+352     | IF ON SKIN: Wash with plenty of soap and water.   |
| P304+340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                    |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.  |

## 2.3 Other hazards

Not applicable

### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous Ingredients

| <u>CAS-No.</u> | <u>EINEC No.</u> | <u>Name According to EEC</u> | <u>%</u> |
|----------------|------------------|------------------------------|----------|
| 65997-15-1     | 266-043-4        | Cement, portland, chemicals  | 20-40    |
| 1305-62-0      | 215-137-3        | Calcium dihydroxide          | 2-5      |

| <u>CAS-No.</u> | <u>REACH Reg No.</u> | <u>CLP Symbols</u> | <u>CLP Hazard Statements</u> | <u>M-Factors</u> |
|----------------|----------------------|--------------------|------------------------------|------------------|
| 65997-15-1     |                      | GHS05-GHS07        | H315-317-318-335             |                  |
| 1305-62-0      | 01-2119475151-45     | GHS05-GHS07        | H315-318-335                 |                  |

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.

**AFTER INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

**Self protection of the first aider:**

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

**4.3 Indication of any immediate medical attention and special treatment needed**

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## 5. Fire-fighting Measures

**5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

**5.2 Special hazards arising from the substance or mixture**

No Information

**5.3 Advice for firefighters**

Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow material to contaminate ground water system. Prevent product from entering drains.

**6.3 Methods and material for containment and cleaning up**

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water. Refer to protective measures listed in sections 7 and 8.

**6.4 Reference to other sections**

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

## 7. Handling and Storage

**7.1 Precautions for safe handling**

Wear personal protective equipment. Avoid dust formation. Protect from moisture.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**CONDITIONS TO AVOID:** Avoid moisture.

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

**7.3 Specific end use(s)**

Part of the Flowfresh/Flowcrete Multipack system. Component of a resin flooring product. The mixing and application to be in accordance with the technical data sheets.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (UK WELS)

| Name                        | % | LTEL ppm | STEL ppm | STEL mg/m <sup>3</sup> | LTEL mg/m <sup>3</sup> | OEL Note                         |
|-----------------------------|---|----------|----------|------------------------|------------------------|----------------------------------|
| Cement, portland, chemicals |   | 20-40    |          |                        | 4 10                   | Respirable Dust, Total Inhalable |
| Calcium dihydroxide         |   | 2-5      |          |                        | 5                      |                                  |

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Eye wash bottle with pure water. Safety glasses with side-shields conforming to EN166.

**HAND PROTECTION:** Protective gloves. Long sleeved clothing. Remove contaminated clothing and protective equipment before entering eating areas.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

Chemical Name:

EC No.:

CAS-No.:

DNELs - Derived no effect level

| Route of Exposure | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
|                   | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral              | Not required       |                        |                       |                          |                    |                        |                       |                          |
| Inhalation        |                    |                        |                       |                          |                    |                        |                       |                          |
| Dermal            |                    |                        |                       |                          |                    |                        |                       |                          |

PNEC's - Predicted no effect concentration

| Environmental protection target    | PNEC |
|------------------------------------|------|
| Fresh water                        |      |
| Fresh water sediments              |      |
| Marine water                       |      |
| Marine sediments                   |      |
| Food chain                         |      |
| Microorganisms in sewage treatment |      |
| soil (agricultural)                |      |
| Air                                |      |

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                     |                     |
|-------------------------------------|---------------------|
| Appearance:                         | granules/powder mix |
| Physical State                      | Solid               |
| Odor                                | odorless            |
| Odor threshold                      | Not determined      |
| pH                                  | ca. 12              |
| Melting point / freezing point (°C) | Not determined      |
| Boiling point/range (°C)            | 310 - N.D.          |
| Flash Point, (°C)                   | Not Applicable      |
| Evaporation rate                    | Not determined      |

|  |                |
|--|----------------|
| Flammability (solid, gas)                    | Not determined |
| Upper/lower flammability or explosive limits | Not determined |
| Vapour Pressure                              | Not determined |
| Vapour density                               | Not determined |
| Relative density                             | ca. 2.6        |
| Solubility in / Miscibility with water       | slight         |
| Partition coefficient: n-octanol/water       | Not determined |
| Auto-ignition temperature (°C)               | Not determined |
| Decomposition temperature (°C)               | Not determined |
| Viscosity                                    | Not determined |
| Explosive properties                         | Not Applicable |
| Oxidising properties                         | Not Applicable |

## 9.2 Other information

VOC Content g/l: <20

This is a calculated maximum VOC content for the mixed ready to use product (to Directive 2004/42/EC).

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Avoid moisture.

### 10.5 Incompatible materials

Do not store near acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50:

Inhalation LC50:

**Irritation:** No information available.

**Corrosivity:** Cement and hydrated lime powder, especially in a water mix, may cause irritant contact dermatitis and/or burns.

**Sensitization:** Prolonged or repeated skin contact may result in allergic eczema.

**Repeated dose toxicity:** No information available.

**Carcinogenicity:** No information available.

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>Mutagenicity:</b>              | No information available. |
| <b>Toxicity for reproduction:</b> | No information available. |
| <b>STOT-single exposure:</b>      | No information available. |
| <b>STOT-repeated exposure:</b>    | No information available. |
| <b>Aspiration hazard:</b>         | No information available. |

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u>   | <u>Vapor LC50</u> |
|----------------|------------------------------|------------------|----------------------|-------------------|
| 1305-62-0      | Calcium dihydroxide          | 7340 mg/kg (rat) | >2500 mg/kg (rabbit) |                   |

**Additional Information:**

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Literature References  
Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003).

So there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required.

Health & Safety Executive (specific for UK):

Detailed reviews of the scientific evidence on the health effects of crystalline silica have been published by HSE (Health and Safety Executive, UK) in the Hazard Assessment Documents EH75/4 (2002) and EH75/5 (2003). The HSE points out on its website that "Workers exposed to fine dust containing quartz are at risk of developing a chronic and possibly severely disabling lung disease known as "silicosis". In addition to silicosis, there is now evidence that heavy and prolonged workplace exposure to dust containing crystalline silica can lead to an increased risk of lung cancer. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis. This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Social Dialogue on Respirable Crystalline Silica and Good Practices Guide

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers.

## 12. Ecological Information

### 12.1 Toxicity:

|                             |                |
|-----------------------------|----------------|
| <b>EC50 48hr (Daphnia):</b> | No information |
| <b>IC50 72hr (Algae):</b>   | No information |
| <b>LC50 96hr (fish):</b>    | No information |

- 12.2 Persistence and degradability:** Mostly nonbiodegradable. The hydrated lime will react with atmospheric and dissolved carbon dioxide to form calcium carbonate (e.g. chalk).
- 12.3 Bioaccumulative potential:** The product is not volatile and insoluble in water, will accumulate in the ground.
- 12.4 Mobility in soil:** No information
- 12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
- 12.6 Other adverse effects:** The addition of cement and hydrated lime to water will raise pH and may therefore be toxic to aquatic life in some circumstances.

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|------------------------------|------------------|------------------|------------------|
| 65997-15-1     | Cement, portland, chemicals  | No information   | No information   |                  |
| 1305-62-0      | Calcium dihydroxide          | 49.1 mg/l        | No information   | 50.6 mg/l        |

### 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 101304  
Packaging Waste Code: 150101

### 14. Transport Information

- 14.1 UN number**
- 14.2 UN proper shipping name** Not regulated for transport according to ADR/RID, IMDG, and IATA regulations.
- Technical name**
- 14.3 Transport hazard class(es)**
- Subsidiary shipping hazard**
- 14.4 Packing group**
- 14.5 Environmental hazards**
- 14.6 Special precautions for user** Not applicable
- EmS-No.:**
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not applicable

### 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:**

**National Regulations:**

**Denmark Product Registration Number:**

**Danish MAL Code:**

**Sweden Product Registration Number:**

**Norway Product Registration Number:**

**WGK Class:** 1

**15.2 Chemical Safety Assessment:**  
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. Other Information

### Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

|      |                                      |
|------|--------------------------------------|
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage.           |
| H335 | May cause respiratory irritation.    |

### Reasons for revision

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

### List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
ESIS (The European Chemical Substances Information System), provided by the European Commission  
Joint Research Centre in Ispra, Italy  
Annex VI of the EU Council Directive 67/548/EEC  
Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
European Union (EU) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)  
EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

### Acronym & Abbreviation Key:

|                   |  |
|-------------------|--|
| CLP               | Classification, Labeling & Packaging Regulation                              |
| EC                | European Commission  |
| EU                | European Union   |
| US                | United States  |
| CAS               | Chemical Abstract Service  |
| EINECS            | European Inventory of Existing Chemical Substances                           |
| REACH             | Registration, Evaluation, Authorization of Chemicals Regulation              |
| GHS               | Globally Harmonized System of Classification and Labeling of Chemicals       |
| LTEL              | Long term exposure limit   |
| STEL              | Short term exposure limit  |
| OEL               | Occupational exposure limit  |
| ppm               | Parts per million  |
| mg/m <sup>3</sup> | Milligrams per cubic meter   |
| TLV               | Threshold Limit Value  |
| ACGIH             | American Conference of Governmental Industrial Hygienists                    |
| OSHA              | Occupational Safety & Health Administration                                  |
| PEL               | Permissible Exposure Limits  |
| VOC               | Volatile organic compounds   |
| g/l               | Grams per liter  |
| mg/kg             | Milligrams per kilogram  |
| N/A               | Not applicable   |
| LD50              | Lethal dose at 50%   |
| LC50              | Lethal concentration at 50%  |
| EC50              | Half maximal effective concentration   |
| IC50              | Half maximal inhibitory concentration  |
| PBT               | Persistent bioaccumulative toxic chemical                                    |
| vPvB              | Very persistent and very bioaccumulative                                     |
| EEC               | European Economic Community  |
| ADR               | International Transport of Dangerous Goods by Road                           |
| RID               | International Transport of Dangerous Goods by Rail                           |
| UN                | United Nations   |
| IMDG              | International Maritime Dangerous Goods Code                                  |
| IATA              | International Air Transport Association                                      |
| MARPOL            | International Convention for the Prevention of Pollution From Ships, 1973 as |



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**Note for reader**

Information in this safety data sheet have been considered valid by Pava Resine at the moment of preparation or they have been prepared basing on sources considered to be reliable, but user has to investigate and understand other sources of information, follow all laws and procedures about safe handling and use of the product and to define suitability of the product for the expected use. All Pava Resine products are subjected to sell terms and conditions of Pava Resine. PAVA RESINE DO NOT ISSUE ANY WARRANTIES, EXPLICIT OR IMPLICIT, CONCERNING THE PRODUCT OR ITS MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE OR CONCERNING ACCURACY OF ANY INFORMATION PROVIDED BY PAVA RESINE, except that product consists with specifications. None information in this document represents a sell offer of products. User has to ensure that his activities respect all national and local norms. Since using product conditions cannot be regulated by producer, user has to define conditions that are necessary to use this product safely.