

# SAFETY DATA SHEET

## OVERBANDING

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Date of issue: 10/04/2025  
Version: 1.0

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
Product name Overbanding  
Unique Formula Identifier (UFI) Not available  
Nanoform The product does not contain nanoparticles.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified Use(s) Overbanding Joint / Crack Sealing System.  
Uses advised against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification Tarmac Packed Products  
Ground Floor  
T3 Trinity Park  
Bickenhill Lane  
Birmingham  
West Midlands  
B37 7ES  
United Kingdom  
Telephone +44 (0)345 812 6232  
E-mail (competent person) [info-cement@tarmac.com](mailto:info-cement@tarmac.com)
- 1.4 Emergency telephone number**  
Emergency Phone No. +44 (0)345 812 6232 (08:30 – 16:00)  
Language(s) spoken: English

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)**  
Skin Sens. 1; H317  
Eye Irrit. 2; H319
- 2.2 Label elements**  
Product name According to Regulation (EC) No. 1272/2008 (CLP).  
Overbanding  
Contains: Resin acids and Rosin acids, fumarated, esters with pentaerythritol  
Hazard Pictogram(s) 
- Signal Word(s) WARNING
- Hazard Statement(s) H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.
- Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P280: Wear protective gloves and eye/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water/soap.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P501: Dispose of contents/container according to national/local hazardous waste disposal regulations.

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Supplemental information

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

## 2.3 Other hazards

Not classified as PBT or vPvB. Does not cause endocrine disruption.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 Substances

Not applicable

## 3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

| Chemical identity of the substance                                  | %W/W      | CAS No.    | EC No.    | REACH Registration No.               | Hazard Statement(s)                                                 |
|---------------------------------------------------------------------|-----------|------------|-----------|--------------------------------------|---------------------------------------------------------------------|
| Resin acids and Rosin acids, fumarated, esters with pentaerythritol | 10 - < 20 | 94581-15-4 | 305-514-1 | Not yet assigned in the supply chain | Skin Sens 1B; H317<br>Eye Irrit. 2; H319<br>Aquatic Chronic 4; H413 |
| Titanium Dioxide*                                                   | 3 - < 10  | 13463-67-7 | 236-675-5 | Not yet assigned in the supply chain | Carc. 2; H351                                                       |

\* Note W,10,V

Note: For full text of H phrases see section 16.

## SECTION 4: FIRST AID MEASURES



## 4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid contact with skin and eyes. If unconscious but breathing normally, place in recovery position and seek medical advice. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace.

Inhalation

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

Skin contact

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

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

May cause an allergic skin reaction. Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

## 5.1 Extinguishing media

Suitable extinguishing media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

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- 5.2 Special hazards arising from the substance or mixture** Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Decomposition products: Carbon monoxide, Carbon dioxide.
- 5.3 Advice for firefighters** Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin and eyes. Ensure adequate ventilation. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse.
- 6.2 Environmental precautions** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.
- 6.4 Reference to other sections** See Section: 8,13

### SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Wash hands before breaks and after work. Wash contaminated clothing before reuse.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep container tightly closed. Keep in a well ventilated place. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep cool. Protect from sunlight. Keep only in original packaging. None Known
- 7.3 Specific end use(s)** See Section: 1.2

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational exposure limits**

| SUBSTANCE        | CAS No.    | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m³)                | STEL (ppm) | STEL (mg/m³) | Note |
|------------------|------------|---------------------|--------------------------------------|------------|--------------|------|
| Titanium dioxide | 13463-67-7 | -                   | 10 (total inhalable); 4 (respirable) | -          | -            | WEL  |

Source: WEL: Workplace exposure limit (IOELV: Indicative Occupational Exposure Limit Values)

- 8.1.2 Biological Limit Value** Not established
- 8.1.3 PNECs and DNELs** Not applicable
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.
- 8.2.2 Individual protection measures, such as personal protective equipment** Avoid contact with skin and eyes. Keep good industrial hygiene. Do not eat, drink or smoke at the work place. Wash hands thoroughly after handling. Remove contaminated clothing and wash it before reuse.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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Eye / face protection



Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Not applicable

### 8.2.3 Environmental exposure controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Physical state                                           | Solid                       |
| Colour                                                   | Black                       |
| Odour                                                    | Mild odour                  |
| Melting point/freezing point                             | 90 – 130 °C                 |
| Boiling point or initial boiling point and boiling range | Not determined              |
| Flammability                                             | Not determined              |
| Lower and upper explosion limit                          | Not determined              |
| Flash point                                              | > 230°C [Closed cup]        |
| Auto-ignition temperature                                | Not determined              |
| Decomposition temperature                                | Not determined              |
| pH                                                       | Not determined              |
| Kinematic viscosity                                      | Not determined              |
| Solubility                                               | Insoluble in water          |
| Partition coefficient: n-octanol/water (log value)       | Not determined              |
| Vapour pressure                                          | Not determined              |
| Density and/or relative density                          | Not determined              |
| Relative vapour density                                  | 1.9 – 2.1 g/cm <sup>3</sup> |
| Particle characteristics                                 | Not determined              |

### 9.2 Other information

None Known

## SECTION 10: STABILITY AND REACTIVITY

|      |                                    |                                          |
|------|------------------------------------|------------------------------------------|
| 10.1 | Reactivity                         | Stable under normal conditions           |
| 10.2 | Chemical stability                 | Stable under normal conditions           |
| 10.3 | Possibility of hazardous reactions | Hazardous polymerisation will not occur. |
| 10.4 | Conditions to avoid                | Heat and direct sunlight                 |
| 10.5 | Incompatible materials             | None known                               |
| 10.6 | Hazardous decomposition products   | Carbon monoxide, Carbon dioxide          |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity - Ingestion

Mixture: Based upon the available data, the classification criteria are not met.

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**Acute toxicity - Inhalation**

Acute Toxicity Estimate Mixture Calculation: LD50 &gt;2000 mg/kg bw

Mixture: Based upon the available data, the classification criteria are not met.

**Acute toxicity - Skin contact**

Acute Toxicity Estimate Mixture Calculation: LC50 &gt;5 mg/l (Dust/Mist)

Mixture: Based upon the available data, the classification criteria are not met.

**Skin corrosion/irritation**

Acute Toxicity Estimate Mixture Calculation: LD50 &gt;2000 mg/kg bw

**Serious eye damage/irritation**

Mixture: Based upon the available data, the classification criteria are not met.

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.

Eye Irrit. 2; H319: Causes serious eye irritation.

**Respiratory or skin sensitisation**

Irritating to eyes. (OECD 405),(rabbit)

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.

Skin Sens. 1; H317: May cause an allergic skin reaction.

**Germ cell mutagenicity**

Skin sensitization. (OECD 429),(Mouse/Female)

**Carcinogenicity**

Mixture: Based upon the available data, the classification criteria are not met.

**Reproductive toxicity**

Mixture: Based upon the available data, the classification criteria are not met.

**STOT - single exposure**

Mixture: Based upon the available data, the classification criteria are not met.

**STOT - repeated exposure**

Mixture: Based upon the available data, the classification criteria are not met.

**Aspiration hazard**

Mixture: Based upon the available data, the classification criteria are not met.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**11.2.2 Other information**

None

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Mixture: Based upon the available data, the classification criteria are not met.

**12.2 Persistence and degradability**

Estimated LC50 (Mixture): &gt;100 mg/l.

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

No data for the mixture as a whole.

Titanium Dioxide

Not readily biodegradable.

Degradation rate (%): %5 and %46

**12.3 Bioaccumulative potential**

Readily biodegradable.

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

No data for the mixture as a whole.

Titanium Dioxide

No indication of bioaccumulation potential.

BCF&lt;2000

**12.4 Mobility in soil**

Nanosized TiO2 does not bioaccumulate or biomagnify.

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

No data for the mixture as a whole.

Titanium Dioxide

Slightly mobile.

Log Koc: 2.07 - 5.365.

The product has low mobility in soil.

**12.5 Results of PBT and vPvB assessment**

Log Kp:6.57

**12.6 Endocrine disrupting properties**

Not classified as PBT or vPvB.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7 Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of this material and its container as hazardous waste. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.

Waste classification according to Directive 2008/98/EC (Waste Framework Directive)

HP 4; Irritant — skin irritation and eye damage.

HP 13; Sensitising.

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### SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

|                                                              | ADR/RID                   | IMDG                                  | IATA/ICAO                 |
|--------------------------------------------------------------|---------------------------|---------------------------------------|---------------------------|
| 14.1 UN number or ID number                                  | None assigned             | None assigned                         | None assigned             |
| 14.2 UN proper shipping name                                 | None assigned             | None assigned                         | None assigned             |
| 14.3 Transport hazard class(es)                              | None assigned             | None assigned                         | None assigned             |
| 14.4 Packing group                                           | None assigned             | None assigned                         | None assigned             |
| 14.5 Environmental hazards                                   | Not classified            | Not classified as a Marine Pollutant. | Not classified            |
| 14.6 Special precautions for user                            | See Section: 2            |                                       |                           |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available. | No information available.             | No information available. |
| 14.8 Additional information                                  | None                      |                                       |                           |

### SECTION 15: REGULATORY INFORMATION

|                                                                                                     |                                                                               |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture |                                                                               |
| 15.1.1 EU regulations                                                                               |                                                                               |
| Authorisations and/or restrictions on use                                                           | Not listed                                                                    |
| CoRAP Substance Evaluation                                                                          | Titanium dioxide                                                              |
| 15.1.2 National regulations                                                                         |                                                                               |
| Germany                                                                                             | Water hazard class: Slightly hazardous to water (wgk 1) (Self classification) |
| 15.2 Chemical Safety Assessment                                                                     | A REACH chemical safety assessment has not been carried out.                  |

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable - V1.0

**References:** ECHA registration dossier for Resin acids and Rosin acids, fumarated, esters with pentaerythritol (CAS No.: 94581-15-4), Harmonised Classification for Titanium Dioxide (CAS No.: 13463-67-7)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

| Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP) | Classification procedure |
|---------------------------------------------------------------------------------------------|--------------------------|
| Skin Sens. 1; H317                                                                          | Threshold Calculation    |
| Eye Irrit. 2; H319                                                                          | Threshold Calculation    |
| EUH211                                                                                      | Threshold Calculation    |

#### Legend

|       |                                                                                                    |
|-------|----------------------------------------------------------------------------------------------------|
| ADR   | ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road           |
| BCF   | Bioconcentration Factor                                                                            |
| ADN   | ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways      |
| CLP   | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DNEL  | Derived no effect level                                                                            |
| IATA  | IATA: International Air Transport Association                                                      |
| ICAO  | ICAO: International Civil Aviation Organization                                                    |
| IMDG  | IMDG: International Maritime Dangerous Goods                                                       |
| LTEL  | Long term exposure limit                                                                           |
| OECD  | Organisation for Economic Cooperation and Development                                              |
| PBT   | PBT: Persistent, Bioaccumulative and Toxic                                                         |
| PNEC  | Predicted No Effect Concentration                                                                  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals                               |
| RID   | RID: Regulations concerning the international railway transport of dangerous goods                 |
| STEL  | Short term exposure limit                                                                          |
| vPvB  | vPvB: very Persistent and very Bioaccumulative                                                     |

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### Hazard classification / Classification code:

Skin Sens. 1; Skin Sensitisation, Category 1  
Eye Irrit. 2; Eye irritation, Category 2  
Carc. 2; Carcinogenicity, Category 2  
Aquatic Chronic 4; Hazardous to the aquatic environment, Chronic ,  
Category 4

### Hazard Statement(s)

H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.  
H413: May cause long lasting harmful effects to aquatic life.

EUH211 : Warning! Hazardous respirable droplets may be formed when  
sprayed. Do not breathe spray or mist.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether  
a higher level of protection is required.

### Disclaimers

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### Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.