

OVERBANDING

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830
 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

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
 CAS No. Not applicable - Mixture
 EINECS No. Not applicable - Mixture
- 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
- 1.4 Emergency telephone number**
 Emergency Phone No. +44 (0)345 812 6232 (08:30 – 16:00)
 Languages spoken English

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain** Skin Sens. 1; H317
 Eye Irrit. 2; H319
- 2.2 Label elements** According to the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain
- Product name 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.

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Supplemental information

P501: Dispose of contents/container according to national/local hazardous waste disposal regulations.

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

Classification: The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Chemical identity of the substance	%W/W	CAS No.	EC No.	UK-REACH Registration No.	Hazard classification
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 Eye Irrit. 2; H319 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

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

Inhalation

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.

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.

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5.2	Unsuitable extinguishing media Special hazards arising from the substance or mixture	Do not use water jet. Direct water jet may spread the fire. 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. 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 storage temperature Incompatible materials	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/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Titanium dioxide	13463-67-7	-	10 (total inhalable); 4 (respirable)	-	-	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

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	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. Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.

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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.

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

Appearance	Solid - Black
Odour	Mild odour
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	90 – 130 °C
Initial boiling point and boiling range	Not determined
Flash point	> 230°C [Closed cup]
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	1.9 – 2.1 g/cm ³
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	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

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust/Mist)
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
	Serious eye damage/irritation	Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.
	Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Eye Irrit. 2; H319: Causes serious eye irritation. Irritating to eyes. (OECD 405),(rabbit)
	Respiratory or skin sensitisation	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Skin Sens. 1; H317: May cause an allergic skin reaction. Skin sensitization. (OECD 429),(Mouse/Female)
	Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
	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	Other information	None

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): >100 mg/l.
12.2	Persistence and degradability	No data for the mixture as a whole.
	Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Not readily biodegradable. Degradation rate (%): %5 and %46
	Titanium Dioxide	Readily biodegradable.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Resin acids and Rosin acids, fumarated, esters with pentaerythritol	No indication of bioaccumulation potential. BCF<2000
	Titanium Dioxide	Nanosized TiO2 does not bioaccumulate or biomagnify.
12.4	Mobility in soil	No data for the mixture as a whole.
	Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Slightly mobile. Log Koc: 2.07 - 5.365.
	Titanium Dioxide	The product has low mobility in soil. Log Kp:6.57
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	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.
13.2	Additional information	
	Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	HP 4; Irritant — skin irritation and eye damage. HP 13; Sensitising.

SECTION 14: TRANSPORT INFORMATION

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

ADR/RID

IMDG

IATA/ICAO

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14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code	No information available.	No information available.	No information available.

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
	GB regulations	
	UK REACH – Grandfathered registration notified substances	Resin acids and Rosin acids, fumarated, esters with pentaerythritol 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)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830. Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Classification of the substance or mixture. The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	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
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.