

**EVO-STIK TECHNIK TGS TOTAL GROUT SYSTEM CREAM**  
 Supersedes Date: 02-Mar-2018

Revision Date 02-Mar-2018  
 Revision Number 1

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product Identifier**

**Product Name** EVO-STIK TECHNIK TGS TOTAL GROUT SYSTEM CREAM  
**Pure substance/mixture** Mixture

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

**Recommended use** Cement. Building and construction work.  
**Uses advised against** None known

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

**Company Name**  
 Bostik Industries Limited  
 Newtown, Swords  
 Co. Dublin Ireland  
 Tel: +353 (1) 8624900  
 Fax: +353 (1) 8402186

**E-mail address** SDS.box-EU@bostik.com

**1.4. Emergency telephone number**

<b>United Kingdom</b>	+44 (1785) 272650
<b>Ireland</b>	+353 (1) 8624900 (Monday- Friday 9am-5pm)

**Section 2: HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

<b>Skin Corrosion/Irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Skin sensitisation</b>	Category 1 - (H317)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)

**2.2. Label Elements**

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

Contains Cement Portland White



**Signal Word**  
 DANGER

**Hazard statements**

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

## Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children  
P261 - Avoid breathing dust  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P271 - Use only outdoors or in a well-ventilated area  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P315 - Get immediate medical advice/attention  
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap  
P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P501 - Dispose of contents/containers in accordance with local regulations

## Additional information

Chromium VI reduced (according to Regulation (EC) 1907/2006 - Annex XVII)  
Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight)

## 2.3. Other Hazards

### General Hazards

Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease.

### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Cement Portland White	266-043-4	65997-15-1	>25 - <40	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		Exempt
Calcium sulfate	231-900-3	7778-18-9	1 - <5	^		01-2119444918-26-XXXX
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	215-691-6	1344-28-1	1 - <5	^		01-2119529248-35-XXXX

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice</b>	If symptoms persist, call a doctor.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a doctor.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor. Brush off loose particles from skin.
<b>Eye contact</b>	If symptoms persist, call a doctor. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required.

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

**Symptoms** None known.

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

**Note to doctors** May cause sensitisation of susceptible persons. Treat symptomatically.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media**  
Use extinguishing agent suitable for type of surrounding fire.

**Unsuitable Extinguishing Media**  
None known

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

**Hazardous Combustion Products** Carbon oxides.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal Precautions**  
Avoid creating dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing and eye/face protection.

**For emergency responders**  
Sweep up to prevent slipping hazard.

### 6.2. Environmental precautions

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Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

## 6.3. Methods and material for containment and cleaning up

**Methods for Containment** Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.  
**Methods for cleaning up** Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

## 6.4. Reference to other sections

**Reference to other sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid generation of dust. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

#### General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep out of the reach of children. Protect from direct contact with water or excessive moisture. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

### 7.3. Specific end use(s)

#### Other Information

Recommendation(s). Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Cement Portland White 65997-15-1	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> (inhalable) TWA: 4 mg/m <sup>3</sup> (respirable)
Calcium sulfate 7778-18-9	-	TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>	-
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> ) 1344-28-1	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> inhalable dust TWA: 4 mg/m <sup>3</sup> respirable dust

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

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<b>Eye/Face Protection</b>	Tight sealing safety goggles. Face protection shield. Wear safety glasses with side shields (or goggles).
<b>Hand Protection</b>	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Gloves made of plastic or rubber. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
<b>Skin and Body Protection</b>	Suitable protective clothing. Gloves made of plastic or rubber. Avoid contact with skin, eyes or clothing. Wear appropriate personal protective clothing to prevent skin contact.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Avoid generation of dust.
<b>Recommended filter type:</b>	Particle filter device (DIN EN 143).

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Solid
<b>Appearance</b>	Powder
<b>Colour</b>	Off-white
<b>Odour</b>	Slight
<b>Odour Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper flammability limit:	No information available	
Lower flammability limit	No information available	
<b>Vapour Pressure</b>	No information available	
<b>Vapour Density</b>	No information available	
<b>Relative Density</b>	No information available	
<b>Water Solubility</b>	Cement based products react and solidify in contact with water	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition Coefficient</b>	No information available	
<b>Autoignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Explosive Limits</b>	No information available	
Upper	No information available	
Lower	No information available	
<b>Oxidising Properties</b>	No information available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	No information available	

### 9.2. Other information

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>Solvent content (%)</b>	No information available
<b>Solid content (%)</b>	100
<b>Density</b>	No data available
<b>Bulk Density</b>	No data available
<b>VOC content (%)</b>	

## Section 10: STABILITY AND REACTIVITY

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## 10.1. Reactivity

None under normal use conditions.

## 10.2. Chemical stability

Stable under normal conditions.

### Explosion Data

Sensitivity to Mechanical Impact None.  
Sensitivity to Static Discharge None.

## 10.3. Possibility of hazardous reactions

### **Possibility of Hazardous Reactions**

None under normal processing.

## 10.4. Conditions to avoid

Heat, flames and sparks.

## 10.5. Incompatible materials

No information available.

## 10.6. Hazardous decomposition products

None under normal use conditions.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### **Product Information**

No information or data specific to the product on this toxicological (health) effect is available.

<b>Inhalation</b>	Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Severely irritating to eyes. Dust contact with the eyes can lead to mechanical irritation.
<b>Skin Contact</b>	When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers.
<b>Ingestion</b>	Based on available data, the classification criteria are not met.
<b>Sensitisation</b>	Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin Corrosion/Irritation</b>	When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers.
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<b>Sensitisation</b>	May cause sensitisation of susceptible persons. Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Carcinogenicity</b>	Not applicable.

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**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** May cause disorder and damage to the. Respiratory system.  
**STOT - Repeated Exposure** No information available.  
**Target Organ Effects** Eyes, Respiratory system, Skin.  
**Aspiration hazard** No information available.

## Numerical measures of toxicity

**Acute Toxicity**

## Component Information

**Toxicity Data** Data obtained on the component(s) include

## **Section 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

**Ecotoxicity** No information available

### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Calcium sulfate 7778-18-9	CL50 (72h) >100 mg/L Algae	LC50 96 h > 1970 mg/L (Pimephales promelas static) LC50 96 h = 2980 mg/L (Lepomis macrochirus static)	CE50 (48h) >100 mg/L Waterflea (Daphnia magna)	

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

**Partition coefficient** No information available

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No information available

### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.

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## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>European Waste Catalogue</b>	17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

### ADR

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### IMDG

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Np
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

### RID

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### ICAO (air)

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### IATA

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

## Section 15: REGULATORY INFORMATION



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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

#### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

#### **Persistent Organic Pollutants**

Not applicable

## 15.2. Chemical safety assessment

None

## **Section 16: OTHER INFORMATION**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

H335 - May cause respiratory irritation

H315 - Causes skin irritation

H318 - Causes serious eye damage

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Legend Section 8: Exposure controls and personal protection**

TWA TWA (time-weighted average)

Ceiling Maximum limit value

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT (RE): Specific target organ toxicity - Repeated exposure

STOT (SE): Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

STEL

\*

STEL (Short Term Exposure Limit)

Skin designation

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## Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 02-Mar-2018

## Indication of changes

**Revision Note** Not applicable.

**Training Advice** No information available

**Further information** No information available

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006**

## Disclaimer

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.

**End of Safety Data Sheet**