RODACAL BEYEM S.L.

SAFETY DATA SHEET — BEYEM COLORTERM

According to 1907/2006/CE (REACH), 453/2010/EC, 2015/830/EU

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:
Beyem COLORTERM.

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Relevant uses: Product for the construction. (See Technical Data Sheet). For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3.

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

Name:	Rodacal Beyem S.L
Address:	Carretera Madrid – Alicante, km 213 (Extramuro) 02630 La Roda (Albacete) SPAIN
Contact e-mail:	rodacal@rodacal.com
Web site:	www.rodacal.com
Telephone:	+34 967 44 00 18/ +34 967 44 21 57
Fax:	+34 967 44 24 74

1.4. Emergency telephone number:

Emergency telephone number:	+34 967 44 00 18 (08:30-13:30 - 16:00-19:00)
National Toxicology Centre:	+34 91 562 04 20
Emergency General Telephone	112 (Spain)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:
CLP Regulation (EC) No 1272/2008
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Eye Dam. 1: Serious eye damage, category 1. H318.
Skin Irrit. 2: Skin irritation, category 2. H315
Skin Sens. 1: Sensitisation, skin, category 1. H317.
STOT SE 3: Respiratory tract toxicity, single exposure, category 3. H335.

2.2. Label elements:
CLP Regulation (EC) No 1272/2008:
Danger

Hazards statements:
Eye Dam. 1: H318. Causes serious eye damage.
Skin Irrit. 2: H315. Causes skin irritation.
Skin Sens. 1: H317. May cause an allergic skin reaction.
STOT SE 3: H335. May cause respiratory irritation.

Precautionary statements:
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P261: Avoid breathing dust.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents and/or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification:
Cement, portland, chemicals.

The mixture contains soluble Cr (VI) and some individuals may develop an allergic reaction. The mixture contains a low content of soluble Cr (VI) as the cement used in their preparation maintains its level below 2 mg/kg (0,0002 %) of the total dry weight of the cement ready for use, according to the legislation set out in section 15.

Safety data sheet available for professional user on request.

2.3. Other hazards:
Non-applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description:
Mixture of additives, aggregates and cements.

Components:
In accordance with Annex II of Regulation (EC) No. 1907/2006 (point 3), the product contains:

Identification	Chemical name/classification		Concentration
CAS: 65997-15-1 EINECS: 266-043-4 Index: Non applicable REACH: Non applicable	**Cement, Portland, chemicals** Self-classified		10-50 %
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335-Danger	

To obtain more information on the risk of the substances, consult sections 8, 11, 12, 15 and 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures:
The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:
This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected form the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:
In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Security Data Sheet.

By eye contact:
This product does not contain substances classified as dangerous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that person affected does not rub or close their eyes.

By ingestion/aspiration:
Do not induce vomiting, but if it happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2. Most important symptoms and effects, both acute and delayed:
Acute and delayed effects are indicated in sections 2 and 11.

4.3. Indication of any immediate medical attention and special treatment needed:
Non applicable.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:
Product is non flammable under normal conditions of storage, manipulation and use. In case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation of Fire Protection systems. It is not recommended to use tap water as an extinguishing agent.

5.2. Special hazards arising from the substance or mixture:
The product is not flammable, it is not explosive and does not enable or feed combustion in other materials.

5.3. Advice to firefighters:
Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,…) in accordance with Directive 89/654/EC.

Additional provisions
Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure:
Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal.

6.2. Environmental precautions:
This product is not classified as dangerous to the environment. Keep product away from drains, surface and underground water.

6.3. Methods and material for containment and cleaning up:
It is recommended sweep and shovel product or others means and place in container for reuse (preferred) or disposal or disposal.

6.4. Reference to other sections:
See sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Preautions for safe handling:

A. Precautions for safe manipulation:
Use in ventilated areas. Avoid the build up of dust.

B. Technical recommendations for the prevention of fires and explosions:
Due to its non flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

C. Technical recommendations to prevent ergonomic and toxicological risks:
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D. Technical recommendations to prevent environmental risks:
It is recommended to have absorbent material available at close proximity to the product (see subsection 6.3).

7.2. Conditions for safe storage, including any incompatibilities:

A. Technical measures for storage:
Minimum temperature: 5 ºC
Maximum temperature: 35ºC
Expiration: 12 months

B. General conditions for storage:
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5. Keep the container tightly sealed and protected from open air and humidity.

7.3. Specific end uses(s):
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:
Substances whose occupational exposure limits have to be monitored in the work environment (INSHT 2015):

Identification	Environmental limit value		
Portland cement, Chemical products CAS: 65997-15-1 EINECS: 266-043-4	VLA-ED		4 mg/m^3
	VLA-EC		
	Year	2015	

DNEL (workers):
Not relevant

DNEL (Population):
Not relevant

PNEC:
Not relevant

8.2 Exposure controls:

A. General security and hygiene measures in the work place:
As a preventive measure it is recommended to use basic Personal Protection Equipment, with the corresponding "CE marking" in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information, see subsection 7.1.
All information contained here is a recommendation which needs some specification from the labour risk prevention services as it in not known whether the company has additional measures at its disposal.

B. Respiratory protection:

Pictograph	PPE	Labelling	CEN Standards	Remarks
Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	"CE" CAT III	EN 149 EN 405	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.

C. Specific hands protection:

Pictograph	PPE	Labelling	CEN Standards	Remarks
Mandatory hands protection	Chemical protective gloves	"CE" CAT I	EN 374-1 EN 374-3 EN 420	Replace the gloves at any sign of deterioration

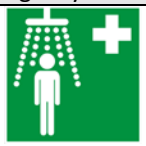
D. Eye and face protection:

Pictograph	PPE	Labelling	CEN Standards	Remarks
Mandatory face protection	Panoramic glasses against liquid splash and projections	"CE" CAT II	EN 166 EN 172 EN 165	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing

E. Body protection:

Pictograph	PPE	Labelling	CEN Standards	Remarks
	Overall	"CE" CAT I	EN 340	Exclusive use at work
	Anti-slip work shoes	"CE" CAT II	EN ISO 20347 EN ISO 20344	None

F. Complementary emergency measures:

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1	Eyewash	DIN 12 899 ISO 3864-1

Environmental exposure controls:
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D.

Volatile organic compounds:
With regard to Directive 2010/75/EU, this product has the following characteristics:
V.O.C (Supply): 0% weight
V.O.C. Concentration (20ºC): 0 kg/m^3 (o g/L)
Average carbon number: Not relevant
Average molecular weight: Not relevant

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemicals properties:
To complete information, see the product datasheet.

Appearance:
Physical state, 20º C: Solid
Appearance: Dust
Color: Undetermined
Odor: Characteristic

Volatility:
Boiling point at atmospheric pressure: Not relevant*
Vapor pressure, 20ºC: Not relevant*
Vapor pressure, 50ºC: Not relevant*
Evaporation rate, 20ºC: Not relevant*

Product description:
Density, 20ºC: Not relevant*
Relative density, 20ºC: Not relevant*
Dynamic Viscosity, 20ºC: Not relevant*
kinematic Viscosity, 20ºC: Not relevant*
kinematic Viscosity, 40ºC: Not relevant*
Concentration: Not relevant*
pH: Not relevant*
Vapor density, 20ºC: Not relevant*
Partition coefficient n-octanol/water, 20ºC: Not relevant*
Solubility, (water, 20ºC): Not relevant*
Solubility property: Not relevant*
Decomposition temperature: Not relevant*

Flammability:
Flashpoint: Nonflammable (> 60ºC)
Autoignition temperature: Not relevant*
Lower flammability limit: Not relevant*
Upper flammability limit: Not relevant*

9.2. Other information:
Surface tension, 20ºC: Not relevant*
Refraction index: Not relevant*

* Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:
No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability:
Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:
Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:
Applicable for handling and storage:

Shock and friction	Air contact	Heating	Sunlight	Humidity
Not applicable	Protect	Not applicable	Not applicable	Protect

10.5 Incompatible materials:

Acids	Water	Oxidizing materials	Combustible materials	Other
Incompatible	Avoid direct contact	Not applicable	Not applicable	Not applicable

10.6 Hazardous decomposition products:
See subsections 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemicals substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects:
The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:
In case of repetitive exposure, during long time or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure.

A. Ingestion:
- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B. Inhalation:
- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

C. Skin and eyes contact:
- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D. CMR Effects (carcinogenicity, mutagenicity and toxicity to reproduction):
- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E. Sensitizing effects:
- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilizising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F. Specific target organ toxicity (STOT) time exposure:
Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

G Specific target organ toxicity (STOT) Repeated exposure:
- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H. Aspiration hazard:
Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:
Contact with human skin, without adequate protection, can result in skin thickening, cracking or fissuring.

Specific toxicology information on the substances:
Not available

SECTION 12. ECOLOGICAL INFORMATION

There are no experimental data on the mixture itself regarding ecotoxicological properties.

12.1 Toxicity:
Undetermined

12.2 Persistence and degradability:
Not available

12.3 Bioaccumulative potential:
Undetermined

12.4 Mobility in soil:
Undetermined

12.5 Results of PBT and vPvB assessment:
Non applicable

12.6 Other adverse effects:
Undescribed

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non dangerous residue.
We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:
In accordance with Annex II of Regulation (EC) No.1907/2006 (REACH) the community or state provisions related to waste management are stated.
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014.

SECTION 14. TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID, IMDG, IATA).

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture:

Candidate substances for authorization under the Regulation (EC) 1907/2006 (REACH): Non applicable.

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non applicable.

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non applicable.

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non applicable

Regulation (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non applicable.

Limitations to commercialisation and the use of certain dangerous substances and mixtures. (Annex XVII, REACH):
Non applicable

Specific provisions in terms of protecting people or the environment:
It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:
Regulation (EC) No. 1272/2008 of European Parliament and Council, on December 16,2008; about classification, labeling and packing of substances and mixtures, amending and suppress Directives 67/548/CEE y 1999/45/EC and Regulation (EC) No. 1907/2006 is amended.

15.2 Chemical safety assessment:
The supplier has not carried out evaluation of chemical safety.

SECTION 16. OTHER INFORMATION

Legislation related to safety data sheets:
This Safety Data Sheet has been developed in accordance with Annex II- Guide to the compilation of safety data sheets of Regulation (EC) Nº 1907/2006 (Regulation (EU) No 453/2010, Regulation (EC) Nº 2015/830).

Modifications related to the previous security card which concerns the ways of managing risks:
Non applicable.

Texts of legislative phrases mentioned in section 2:
H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Texts of legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP regulation (EC) No. 1272/2008:
Eye Dam. 1: H318. Cause serious eye damage.
Skin Irrit. 2: H315. Causes skin irritation.
Skin Sens. 1: H317. May cause skin allergic reaction.
STOT SE 3: H335. May irritate respiratory system.

Classification procedure:
Eye Dam. 1: H318. Calculation method.
Skin Irrit. 2: H315. Calculation method.
Skin Sens. 1: H317. Calculation method.
STOT SE 3: H335. Calculation method.

Advice related to training:
Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:
http://esis.jrc.ec.europa.eu
http://echa.europa.eu
http://eur-lex.europa.eu

The information contained in this MSDS is based in sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered as a guarantee of the product properties, it´s only a description in terms of safety requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information in this MSDS only refers to this product, which should not be used for needs other than those specified.

END OF MSDS