

# SAFETY DATA SHEET

Revision: 2.0 Date: 26.08.2015



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),  
1272/2008 (CLP) & 2015/830

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

- 1.1 Product identifier**  
Product Name RS-200-CK Cement (Grip Cement Powder)  
Chemical Name Mixture  
CAS No. Mixture  
EINECS No. Mixture  
REACH Registration No. None assigned.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified Use(s) Adhesives.  
Uses Advised Against None known.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification VISHAY MEASUREMENTS GROUP, INC.  
Post Office Box 27777  
Raleigh, NC 27611  
USA  
Telephone 919-365-3800  
Fax 919-365-3945  
E-Mail (competent person) mm.us@vishaypg.com
- 1.4 Emergency telephone number** 1-800-424-9300  
CHEMTREC

## 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 GHS Classification** Skin Irrit. 2; H315  
Skin Sens. 1; H317  
Eye Irrit. 2; H319  
Aquatic Acute 1; H400
- 2.2 Label elements** GHS Classification  
Product Name RS-200-CK (Grip Cement Powder)
- Hazard Pictogram(s)
- 
- Signal Word(s) Warning
- Contains: Dibenzoyl Peroxide
- Hazard Statement(s) H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H400: Very toxic to aquatic life.
- Precautionary Statement(s) P261: Avoid breathing dust.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.

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2.3 Other hazards May form explosive dust/air mixtures.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS Direct water jet may spread the fire.

3.1 Substances Not applicable

### 3.2 Mixtures

GHS Classification

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Calcium Tungstate	60 - 70	7790-75-2	232-219-4	None assigned.	Not classified
2-Propenoic acid, 2-methyl-, methyl ester, homopolymer	< 25	9011-14-7	618-466-4	None assigned.	Not classified
2-Butenedioic acid (2Z)-, polymer with chloroethene and ethenyl acetate	5 - 15	9005-09-8	-	None assigned.	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Dibenzoyl Peroxide	< 10	94-36-0	202-327-6	None assigned.	Org. Perox. B; H241 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Acute 1; H400 (M-factor = 10)

H241: Heating may cause a fire or explosion. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. M-factor: multiplying factor.

## 4. SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Apply artificial respiration only if patient is not breathing or under medical supervision. Get medical advice/attention if you feel unwell.

Skin Contact

IF ON SKIN: Brush off loose particles from skin. Remove contaminated clothing and wash affected skin with water. Contaminated clothing should be thoroughly cleaned. 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. Get medical advice/attention if you feel unwell.

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

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Mechanical irritation of the respiratory tract.

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

Treat symptomatically.

## 5. SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media

As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media

Direct water jet may spread the fire. Avoid dust generation.

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

May form explosive dust/air mixtures. May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Acrid smoke and

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- 5.3 **Advice for fire-fighters** Methacrylate.  
Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. See Section: 8.
- 6.2 **Environmental precautions** Do NOT wash away into sewer. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
- 6.3 **Methods and material for containment and cleaning up** Wet the material with water to limit dust emission or explosion. Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Caution - spillages may be slippery. Use only non-sparking tools. Clean up spill with a detergent. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste.
- 6.4 **Reference to other sections** See Section: 8, 13

## 7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Ensure adequate ventilation. Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Take precautionary measures against static discharge. Protect from light.
- 7.2 **Conditions for safe storage, including any incompatibilities** Keep container tightly closed and in a well-ventilated place. Keep away from heat, sources of ignition and direct sunlight. Take precautionary measures against static discharge.  
5 - 25°C  
Stable under normal conditions.  
Keep away from: Reducing agents (Amines) and Polymerisation catalysts such as peroxy or azo compounds, strong acids, alkalis, oxidising agents and metal salts.
- Storage temperature  
Storage life  
Incompatible materials
- 7.3 **Specific end use(s)** Adhesives.

## 8. 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Dibenzoyl peroxide	94-36-0	-	5	-	-	NIOSH
Dibenzoyl peroxide	94-36-0	-	5	-	-	OSHA

Note: OSHA 1910.1000 Table Z-1 / NIOSH

- 8.1.2 **Biological limit value** Not established.
- 8.1.3 **PNECs and DNELs** Not established.
- 8.2 **Exposure controls**  
8.2.1 **Appropriate engineering controls** Ensure adequate ventilation or use appropriate containment. Atmospheric levels should be controlled in compliance with the occupational exposure limit. The electrical system should be spark-free. Guarantee that the eye flushing systems and safety showers are located close to the working place.

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## 8.2.2 Individual protection measures, such as personal protective equipment (PPE)

General hygiene measures for the handling of chemicals are applicable. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands before breaks and after work. Keep work clothes separately. Contaminated clothing should be thoroughly cleaned. Do not eat, drink or smoke at the work place.

Eye/ face protection



Wear eye protection with side protection (EN166).

Skin protection



Hand protection: Wear impervious gloves (EN374). Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer. The gloves type used must be chosen based on the work activity and duration as well as concentration/quantity of material being handled.

Body protection: Wear dustproof working clothes. Recommended: Wear work clothes with long sleeves.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. An approved dust mask should be worn if dust is generated during processing or handling.

Thermal hazards

Not applicable.

## 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	White powder
Odour	Characteristic
Odour threshold	Not available.
pH	Not established.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	5 (H <sub>2</sub> O = 1)
Solubility(ies)	Slightly soluble in: Water
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Dynamic viscosity	Not applicable.
Explosive properties	Not available.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

## 10. SECTION 10: STABILITY AND REACTIVITY

### 10.1 Stability and reactivity

Stable under normal conditions.

### 10.2 Chemical stability

May polymerise on exposure to light.

### 10.3 Possibility of hazardous reactions

May form flammable dust clouds in air. Reacts with oxidizing substances.

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10.4	Conditions to avoid	Keep away from heat, sources of ignition and direct sunlight.
10.5	Incompatible materials	Keep away from: Reducing agents (Amines) and Polymerisation catalysts such as peroxy or azo compounds, strong acids, alkalis, oxidising agents and metal salts.
10.6	Hazardous decomposition product(s)	May decompose in a fire, giving off toxic and irritant vapours. Acrid smoke, Carbon monoxide, Carbon dioxide and Methylmethacrylate.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	<b>Information on toxicological effects (Substances in preparations / mixtures)</b>	
	<b>Acute toxicity</b>	
	Ingestion	Based upon the available data, the classification criteria are not met. LC50 > 2000 mg/kg bw/day
	Inhalation	Based upon the available data, the classification criteria are not met. LC50 (Dusts) > 5 mg/kg bw/day
	Dermal	Based upon the available data, the classification criteria are not met. LC50 > 2000 mg/kg bw/day
	<b>Skin corrosion/irritation</b>	Skin Irrit. 2: Causes skin irritation.
	<b>Serious eye damage/irritation</b>	Eye Irrit. 2: Causes serious eye irritation.
	<b>Respiratory or skin sensitization</b>	Skin Sens. 1: May cause sensitization by skin contact.
	<b>Germ cell mutagenicity</b>	Based upon the available data, the classification criteria are not met.
	<b>Carcinogenicity</b>	Based upon the available data, the classification criteria are not met.
	<b>Reproductive toxicity</b>	Based upon the available data, the classification criteria are not met.
	<b>STOT - single exposure</b>	Based upon the available data, the classification criteria are not met.
	<b>STOT - repeated exposure</b>	Based upon the available data, the classification criteria are not met.
	<b>Aspiration hazard</b>	Based upon the available data, the classification criteria are not met.
11.2	<b>Other information</b>	
	NTP Report on Carcinogens	Not listed
	IARC Monographs	Not listed

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Aquatic Acute 1: Very toxic to aquatic life. Estimated Mixture LC50 < 1 mg/l (Fish).
12.2	<b>Persistence and degradability</b>	The product has low potential for bioaccumulation.
12.3	<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
12.4	<b>Mobility in soil</b>	The product is predicted to have low mobility in soil. (Slightly soluble.)
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Other adverse effects</b>	None known.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	Do not release undiluted and unneutralised to the sewer. This material and its container must be disposed of as hazardous waste.
13.2	<b>Additional Information</b>	Dispose of contents in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

		<b>ADR/RID / IMDG / IATA</b>
14.1	<b>UN number</b>	UN 3077
14.2	<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Dibenzoyl Peroxide)
14.3	<b>Transport hazard class(es)</b>	9
14.4	<b>Packing group</b>	III
14.5	<b>Environmental hazards</b>	Classified as a Marine Pollutant/ Environmentally hazardous substance
14.6	<b>Special precautions for user</b>	See Section: 2
14.7	<b>Transport in bulk according to Annex II of MARPOL</b>	Not applicable.

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73/78 and the IBC Code  
14.8 Additional Information None.

## 15. SECTION 15: REGULATORY INFORMATION

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

15.1.1 National regulations  
OSHA Occupational Safety and Health Standards None.

15.1.2 European regulations  
Substance(s) of Very High Concern (SVHCs) None.  
Authorisations and/or Restrictions On Use None.  
Wassergefährdungsklasse (Germany) Water hazard class: 1

15.2 Chemical Safety Assessment Not available.

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

**References:** Existing Safety Data Sheet (SDS), Harmonised Classification(s) for Dibenzoyl Peroxide (CAS No.94-36-0), Existing ECHA registration(s) for Dibenzoyl Peroxide (CAS No.94-36-0), and the Classification and Labelling Inventory for Calcium Tungstate (CAS No.7790-75-2), 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (CAS No.9011-14-7) and 2-Butenedioic acid (2Z)-, polymer with chloroethene and ethenyl acetate (CAS No.9005-09-8).

GHS Classification of the substance or mixture	Classification Procedure
Skin Irrit. 2; H315	Threshold Calculation
Skin Sens. 1; H317	Threshold Calculation
Eye Irrit. 2; H319	Threshold Calculation
Aquatic Acute 1; H400	Summation Calculation

### LEGEND

LTEL Long Term Exposure Limit  
STEL Short Term Exposure Limit  
DNEL Derived No Effect Level  
PNEC Predicted No Effect Concentration  
PBT Persistent, Bioaccumulative and Toxic  
vPvB vPvT: very Persistent and very Toxic  
NTP National Toxicology Program  
IARC International Agency for Research on Cancer  
OSHA The Occupational Safety & Health Administration  
NIOSH National Institute for Occupational Safety and Health

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.

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

No information available.