

SAFETY DATA SHEET (SDS)

SDS Compliant with REACH Regulation (EC) No 1907/2006 – N° 453/2010

PHOENIX® RAPID SET PUTTY Part B - Hardener

Version No. 1



Revision Date: 05/08/2014

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

1.1. Product identifier.	Product Name: Phoenix Rapid Set Putty.	
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: White powder supplied in a bag to be mixed with 'Part A – Putty'. For use as a glazing compound or filler. Uses advised against: Any other uses other than the advised purpose.	
1.3. Details of the supplier of the datasheet.	Hodgson Sealants (Holdings) Limited Belprin Road Beverley East Yorkshire HU17 0LN	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: SDS@hodgsonsealants.com
1.4. Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321 E-mail: SDS@hodgsonsealants.com	

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture. <u>2.1.1. Classification according to regulation (EC) No 1272/2008 [CLP].</u>	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
<u>2.1.2. Classification according to Directive 1999/45/EC.</u>	N; R50/53
2.2. Label elements. <u>2.2.1. Classification according to regulation (EC) No 1272/2008 [CLP].</u>	 Signal word; - Warning Hazard statements; H410 Very toxic to aquatic life with long lasting effects. Precautionary Statements – Prevention; P273 Avoid release into the environment. Precautionary Statements – Response; P391 Collect spillage. Precautionary Statements – Disposal; P501 Dispose of contents / container in accordance with local regulations.
<u>2.2.2. Classification according to Directive 1999/45/EC</u>	 Dangerous for the environment. R50/53 Very Toxic to aquatic organisms, may cause long-term damage to the aquatic environment. S60 This material and its container must be disposed of as hazardous waste. S61 Avoid Release to the environment. Refer to special instructions/safety data sheets.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances.

Name	CAS No.	EC No.	REACH Registration No.	% (weight)	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP).
Zinc Oxide	1314-13-2	215-222-5	01-2119463881-32	50-100	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Additional information: For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation:

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Following skin contact:

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Following eye contact:

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

Following ingestion:

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

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

Skin contact - Skin irritation.
Eye contact - May cause temporary eye irritation.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media;

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media;

No data available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products;

Carbon oxides and traces of incompletely burned carbon compounds.

5.3. Advice for firefighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

6.1.1. For non-emergency personnel.

Protective equipment:

Emergency procedures:

Follow precautions for safe handling described in this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust. Avoid contact with skin and eyes. Provide adequate ventilation.

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6.2. Environmental precautions:	Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
6.3. Methods and material for containment and cleaning up. 6.3.1. For containment: 6.3.2. For cleaning up: 6.3.3. Other information:	Keep containers tightly closed. Keep in original container. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Flush area with plenty of water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. No further data available.
6.4. Reference to other sections	See SECTION 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling Measures to prevent fire: Measures to prevent aerosol and dust generation: Measures to protect the environment:	No special provisions required. Avoid handling which leads to dust formation. Provide good ventilation. Avoid spilling
7.2. Conditions for safe storage, including any incompatibilities.	Keep containers tightly closed. Keep in original container.
7.3. Specific end use(s).	White powder supplied in a bag to be mixed with 'Part A – Putty'. For use as a glazing compound or filler.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Maximum airborne concentrations at the workplace: This product does not contain any substances with critical values that have to be monitored at the workplace.

Name	CAS No.	Type	Mg/m ³	ppm
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Derived No-Effect Level (DNEL); This product does not contain any substances with any identified hazard or DNEL value.

Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	-	-	-	-	-	-	-	-
Inhalation	-	-	-	-	-	-	-	-
Dermal	-	-	-	-	-	-	-	-

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Predicted No Effect Concentration (PNEC); This product does not contain any substances with any identified hazard or PNEC value.

Environmental protection target	PNEC Value
Fresh water	-
Freshwater sediments	-
Marine water	-
Marine sediments	-
Food chain	-
Microorganisms	-
Soil (agricultural)	-
Air	-

8.2. Exposure control

8.2.1. Appropriate engineering controls:

8.2.2. Personal protection equipment:

8.2.2.1. Eye face protection:

8.2.2.2. Skin protection:

8.2.2.3. Respiratory protection:

8.2.2.4. Thermal hazards:

8.2.3. Environmental exposure controls:

Provide sufficient ventilation.

Wear approved safety goggles.

Rubber gloves are recommended.

If ventilation is insufficient, suitable respiratory protection must be provided.

None known.

Avoid handling which leads to dust formation. Provide good ventilation. Avoid spilling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

- a) **Appearance:** Solid white / yellow powder, dust.
- b) **Odour:** None.
- c) **Odour Threshold:** No data available.
- d) **pH:** 6-8.
- e) **Melting point / freezing point:** 1970-1975°C
- f) **Initial boiling point and boiling range:** No data available.
- g) **Flash point:** No data available.
- h) **Evaporation rate:** No data available.
- i) **Flammability (solid, gas):** No data available.
- j) **Upper / lower flammability or explosive limits:** N/A

- k) **Vapour pressure:** No data available.
- l) **Vapour density:** No data available.
- m) **Relative Density:** 5.0g/ml @ 20°C.
- n) **Solubility (ies):** Insoluble in water.
- o) **Partition coefficient: n-octanol / water:** No data available.
- p) **Auto-ignition temperature:** No data available.
- q) **Decomposition temperature:** No data available.
- r) **Viscosity:** No data available.
- s) **Explosive properties:** No data available.
- t) **Oxidising properties:** No data available.

9.2 Other Information:

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Avoid excessive heat for prolonged periods of time.

10.5 Incompatible Materials

Strong acids. Strong alkalis.

10.6 Hazardous decomposition products

None under normal conditions.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Toxic Dose 1 - LD 50 >15000 mg/kg (oral rat)

Irritation:

Toxic Conc. - LC 50 5.7 mg/l/4h (inh-rat)

May cause irritation to the respiratory system. Irritating to skin. Irritating to eyes. Gastrointestinal symptoms, including upset stomach after ingestion.

Corrosivity:

No data available.

Sensitisation:

No data available.

Repeated dose toxicity:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Toxicity for reproduction:

No data available.

Further toxicological information:

No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

LC 50, 96 Hrs, Fish mg/l 1.1

EC 50, 48 Hrs, Daphnia, mg/l >1000

IC 50, 72 Hrs, Algae, mg/l 0.1 - 1.0

12.2. Persistence and degradability:

The product is not readily biodegradable.

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility in soil:

The product is insoluble in water.

12.5. Results of PBT and vPvB testing:

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects:

No data available.

12.7. Additional information:

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of in accordance with local regulations. Do not empty product into drains.

13.1.1. Product / packaging disposal:

Waste codes / waste designations according to LoW:

According to the European catalogue, waste codes are not product specific. The user should assign waste codes, preferably in discussion with waste disposal authorities.

13.1.2. Waste treatment-relevant information:

No data available.

13.1.3. Sewage disposal-relevant information:

No data available.

13.1.4. Other disposal recommendations:

No further data available.

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SECTION 14. TRANSPORT INFORMATION

	Road ADR	Railway RID	Sea - IMDG Code	Air – ICAO-TI/IATA-DGR
14.1. UN Number	3077	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)			
14.3. Transport hazard class(es)	9	9	9	9
14.4. Packing Group	III	III	III	III
14.5. Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant			
14.6. Special precautions for user	EMS; F-A, S-F Emergency Action Code; 2Z Hazard No. (ADR); 90 Tunnel Restriction Code; (E)			
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code”	No information required.			

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p>Approved Code Of Practice Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.</p> <p>Guidance Notes CHIP for everyone HSG(108). Workplace Exposure Limits EH40.</p> <p>EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging. of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.</p>
15.2 Chemical Safety Assessment.	No chemical safety assessment has been carried out.

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SECTION 16. OTHER INFORMATION

Abbreviations / Acronyms used:

CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS# - Chemical Abstracts Service number.

PBT - Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Relevant R-phrases and/or H-statements (number and full text):

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

H410 Very toxic to aquatic life with long lasting effects.

P273 Avoid release into the environment.

P391 Collect spillage.

P501 Dispose of contents / container in accordance with local regulations.

According to 67/548/EEC;

R50/53 Very Toxic to aquatic organisms, may cause long-term damage to the aquatic environment.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid Release to the environment. Refer to special instructions/safety data sheets.

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.