



SAFETY DATA SHEET

PIG Multi-Purpose Repair Putty

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PIG Multi-Purpose Repair Putty

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

Identified uses Repair putty.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier New Pig Ltd.
Hogs Hill, Watt Place
Hamilton International Technology Park
Blantyre, Glasgow, G72 0AH
UK
E: pigpen@newpig.com
Web: www.newpig.co.uk
T: +44 (0) 1698 727 400

1.4. Emergency telephone number

Emergency telephone +44 (0) 1698 727 400
Monday - Friday 08:00 - 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

Human health The product is irritating to eyes and skin. May cause sensitisation or allergic reactions in sensitive individuals.

Environmental Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms



Signal word Warning

PIG Multi-Purpose Repair Putty

Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves, eye and face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
Contains	Epoxy resin (number average molecular weight \leq 700)
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P313 Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Talc	30 - <40%
CAS number: 14807-96-6 EC number: 238-877-9	
Substance with National workplace exposure limits.	
Classification	
Not Classified	
Epoxy resin (number average molecular weight \leq 700)	10 - <30%
CAS number: 25068-38-6 EC number: 500-033-5	
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
2,4,6-tris(Dimethylaminomethyl)phenol	1 - <5%
CAS number: 90-72-2 EC number: 202-013-9	
Classification	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	

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Quartz (SiO₂)	0.1 - <1.0%
CAS number: 14808-60-7	EC number: 238-878-4
Classification	
STOT RE 2 - H373	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation. May cause sensitisation by skin contact.
Eye contact	Irritation of eyes and mucous membranes.

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

Notes for the doctor	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x). Aldehydes. Acids.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Move containers from fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

Environmental precautions Harmful to aquatic life with long lasting effects. Do not allow any environmental contamination. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage. Use appropriate containment to avoid environmental contamination.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Harmful dust may be released during cutting or grinding process. Avoid generation and spreading of dust. Avoid discharge to the aquatic environment.

Advice on general occupational hygiene Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep at temperature not exceeding 30°C/86°F. Store in tightly-closed, original container in a well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Talc

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ respirable dust

Quartz (SiO₂)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³ respirable dust

WEL = Workplace Exposure Limit

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation.

Eye/face protection Avoid contact with eyes. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

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Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Wash hands thoroughly after handling. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.
Respiratory protection	Respiratory protection not required. If dust is generated: Wear a suitable dust mask.
Environmental exposure controls	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Putty.
Colour	Grey.
Odour	Sulphur.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	>93°C Setaflash closed cup.
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.95
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information required.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.
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10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Acids. Alkalis - inorganic. Alkalis - organic. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products. Heating may generate the following products:
Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 10,000.0

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause sensitisation by skin contact.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation. May cause sensitisation by skin contact.

Eye contact Irritation of eyes and mucous membranes.

Toxicological information on ingredients.

Talc

Toxicological effects Not regarded as a health hazard under current legislation.

Epoxy resin (number average molecular weight ≤ 700)

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ ~0 ppm, 5 hours, Vapour Rat

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Slightly irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, Single application only., Rabbit Slightly irritating.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising. Epidemiological studies have shown evidence of skin sensitisation.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity NOEL 100 mg/kg/day, Dermal, Rat

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOEL 540 mg/kg/day, Oral, Rat P Two-generation study - NOEL 750 mg/kg/day, Oral, Rat F1a, F1b, F2

Reproductive toxicity - development Maternal toxicity: - NOAEL: 180 mg/kg/day, Oral, Rat Fetotoxicity: - NOAEL: >540 mg/kg/day, Oral, Rat

Specific target organ toxicity - repeated exposure

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STOT - repeated exposure NOAEL 50 mg/kg/day, Oral, Rat

2,4,6-tris(Dimethylaminomethyl)phenol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,200.0

Species Rat

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 1,200.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >1 ml/kg, Dermal, Rat REACH dossier information.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information.

Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL 15 mg/kg/day, Oral, Rat P, F1 REACH dossier information.

Quartz (SiO₂)

Carcinogenicity

IARC carcinogenicity IARC Group 1 Carcinogenic to humans.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

Target organs Respiratory system, lungs

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

Talc

Toxicity No negative effects on the aquatic environment are known.

Epoxy resin (number average molecular weight ≤ 700)

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Toxicity	Toxic to aquatic life with long lasting effects.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 1.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.8 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >11 mg/l, Selenastrum capricornutum
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.3 mg/l, Daphnia magna

2,4,6-tris(Dimethylaminomethyl)phenol

Toxicity	Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 180-240 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information. Weight of evidence.
Acute toxicity - aquatic invertebrates	LC ₅₀ , 96 hours: 718 mg/l, Palaemonetes vulgaris REACH dossier information. Weight of evidence.
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 84 mg/l, Scenedesmus subspicatus REACH dossier information.

Quartz (SiO₂)

Toxicity	No negative effects on the aquatic environment are known.
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12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Talc

Persistence and degradability	The product contains only inorganic substances which are not biodegradable.
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Epoxy resin (number average molecular weight ≤ 700)

Phototransformation	Water - DT ₅₀ : 6.44 hours QSAR model
Stability (hydrolysis)	pH4 - Half-life : 116 hours @ 25°C pH7 - Half-life : 86 hours @ 25°C pH9 - Half-life : 171 hours @ 25°C
Biodegradation	Water - Degradation 5%: 28 days

2,4,6-tris(Dimethylaminomethyl)phenol

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Persistence and degradability No biodegradation observed under test conditions.

Biodegradation Water - Degradation 4%: 28 days

Quartz (SiO₂)

Persistence and degradability The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

Talc

Bioaccumulative potential No data available on bioaccumulation.

Epoxy resin (number average molecular weight ≤ 700)

Bioaccumulative potential BCF: 31, QSAR model

Partition coefficient log Pow: ≥ 2.918

2,4,6-tris(Dimethylaminomethyl)phenol

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Pow: -0.66

Quartz (SiO₂)

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Not considered mobile.

Ecological information on ingredients.

Talc

Mobility The product has poor water-solubility.

Epoxy resin (number average molecular weight ≤ 700)

Mobility Semi-mobile.

Adsorption/desorption coefficient Water - log Koc: 2.65 @ 20°C QSAR model

Surface tension 58.7-58.9 mN/m @ 20°C

2,4,6-tris(Dimethylaminomethyl)phenol

Mobility The product is water-soluble and may spread in water systems.

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Adsorption/desorption coefficient Water - Koc: 20.98 @ 25°C Estimated value.

Quartz (SiO₂)

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Talc

Results of PBT and vPvB assessment Substance is inorganic. Not relevant.

Epoxy resin (number average molecular weight ≤ 700)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

2,4,6-tris(Dimethylaminomethyl)phenol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Quartz (SiO₂)

Results of PBT and vPvB assessment Substance is inorganic. Not relevant.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Avoid discharge into drains or watercourses or onto the ground. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

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14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.

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) (as amended).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
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 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

Classification abbreviations and acronyms

Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Eye Irrit. = Eye irritation
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation
STOT RE = Specific target organ toxicity-repeated exposure

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Classification procedures according to Regulation (EC) 1272/2008	Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317, Aquatic Chronic 3 - H412: Calculation method.
Revision date	30/04/2019
Revision	3
Supersedes date	29/03/2016
SDS number	3819
SDS status	EN_GB_SDS_S112.pdf
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.