

**EXHAUST PUTTY 200G**

Version            Revision Date:            SDS Number:            Date of last issue: 06/14/2018  
3.5                11/16/2018                963248-00006            Date of first issue: 04/08/2011

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name                                : EXHAUST PUTTY 200G  
Product code                              : 00890 100 046

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

Use of the Sub-                            : Sealing compound, Filler  
stance/Mixture                              Professional use product

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

Company                                    : Würth SA (Pty) Ltd  
    G1 Isando Industrial Park  
    Gewel Street, Isando Ext. 3  
    1600 Gauteng  
  
Telephone                                  : +27 11 281-1000  
  
Telefax                                      : +27 11 974-9711  
  
E-mail address of person                : prodsafe@wuerth.com  
responsible for the SDS

**1.4 Emergency telephone number**

Advisory office in case of poisoning: +27 11 922-1164. Telephone number of the company  
in case of emergencies: +27 11 281-1000 (08:00-16:30 h)

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**  
Not a hazardous substance or mixture.

**2.3 Other hazards**

None known.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

**Components**  
Remarks                                    : No hazardous ingredients

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Protection of first-aiders            : No special precautions are necessary for first aid responders.
- If inhaled                                : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact                : Wash with water and soap as a precaution.  
Get medical attention if symptoms occur.
- In case of eye contact                 : Flush eyes with water as a precaution.  
Get medical attention if irritation develops and persists.
- If swallowed                            : If swallowed, DO NOT induce vomiting.  
Get medical attention if symptoms occur.  
Rinse mouth thoroughly with water.

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

None known.

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

- Treatment                                : Treat symptomatically and supportively.
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media        : Not applicable  
Will not burn
- Unsuitable extinguishing media     : Not applicable  
Will not burn

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

- Specific hazards during fire-fighting    : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products        : Silicon oxides  
Metal oxides  
Sulphur oxides

**5.3 Advice for firefighters**

- Special protective equipment for firefighters    : Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.
- Specific extinguishing methods                : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do

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so.  
Evacuate area.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Follow safe handling advice and personal protective equipment recommendations.

**6.2 Environmental precautions**

Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**6.4 Reference to other sections**

See sections: 7, 8, 11, 12 and 13.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures : Ensure that eye flushing systems and safety showers are

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located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage            :    Keep in properly labelled containers. Store in accordance with areas and containers                    the particular national regulations.

Advice on common storage        :    No special restrictions on storage with other products.

Recommended storage tem-        :    15 - 30 °C  
perature

**7.3 Specific end use(s)**

Specific use(s)                        :    No data available

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc	14807-96-6	TWA OEL-RL (Respirable dust)	1 mg/m <sup>3</sup>	ZA OEL
Further information	Recommended Limit			
		TWA OEL-RL (inhalable dust)	10 mg/m <sup>3</sup>	ZA OEL
Further information	Recommended Limit			
Barium sulfate	7727-43-7	TWA OEL-RL (Respirable dust)	2 mg/m <sup>3</sup>	ZA OEL
Further information	Recommended Limit			

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Silicic acid, sodium salt	Workers	Inhalation	Long-term systemic effects	5,61 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	1,59 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	0,8 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	0,8 mg/kg bw/day
	Barium sulfate	Workers	Inhalation	Long-term local effects
Workers		Inhalation	Long-term systemic effects	10 mg/m <sup>3</sup>
Consumers		Inhalation	Long-term systemic	10 mg/m <sup>3</sup>

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			effects	
	Consumers	Ingestion	Long-term systemic effects	13000 mg/kg bw/day

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Silicic acid, sodium salt	Fresh water	7,5 mg/l
	Marine water	1 mg/l
	Intermittent use/release	7,5 mg/l
	Sewage treatment plant	348 mg/l
Barium sulfate	Fresh water	227,8 mg/l
	Sewage treatment plant	50,1 mg/l
	Soil	707,7 mg/kg
	Fresh water sediment	792,7 mg/kg

**8.2 Exposure controls****Engineering measures**

Ensure adequate ventilation, especially in confined areas.  
 Minimize workplace exposure concentrations.

**Personal protective equipment**

Eye protection : Wear the following personal protective equipment:  
 Safety glasses  
 Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.

**Hand protection**

Material : Nitrile rubber  
 Break through time : > 480 min  
 Glove thickness : 0,4 mm  
 Directive : DIN EN 374

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection : Skin should be washed after contact.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type (P)

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	:	paste
Colour	:	grey
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	10,5 - 11,5
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	1,94 g/cm <sup>3</sup> (20 °C)
Solubility(ies)		
Water solubility	:	partly soluble
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	350 mPa.s (20 °C)
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.



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**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Not relevant

**12.6 Other adverse effects**

No data available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- |                        |   |   |
|------------------------|---|---|
| Product                | : | Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.  |



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**SECTION 14: Transport information****14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Remarks : Not applicable for product as supplied.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

Other information : Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

**Full text of other abbreviations**ZA OEL : South Africa. Hazardous Chemical Substances Regulations, Occupational Exposure Limits  
ZA OEL / TWA OEL-RL : Long term occupational exposure limits - recommended limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equip-

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ment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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