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

1.1 Product identifier
   Trade name : Aluminiumgriess 0612 - Spratzkorn
   Registration number : 01-2119529243-45-XXXX
   Substance name : Aluminiumgrit (stabilised)
   Substance No. : 231-072-3

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Product use : Tooling system

1.3 Details of the supplier of the safety data sheet
   Company name of supplier : Sika Deutschland GmbH
                             Kornwestheimer Str. 103-107
                             D-70439 Stuttgart
   Telephone : +49 711 8009 0
   E-mail address of person responsible for the SDS : EHS@de.sika.com

1.4 Emergency telephone number
   Emergency CONTACT (24-Hour-Number):
   GBK GmbH Global Regulatory Compliance +49(0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Type of product : Substance
   Classification (REGULATION (EC) No 1272/2008)
   Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements
   Labelling (REGULATION (EC) No 1272/2008)
   Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards
   This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Aluminiumgriess 0612 - Spratzkorn

Revision Date 14.11.2017  Version 3.0  Print Date 14.11.2017

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.

In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact : Remove contact lenses. Keep eye wide open while rinsing.

If swallowed : Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Risks : No known significant effects or hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Hygiene measures: When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

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

Storage class (TRGS 510): 13, Non Combustible Solids

Other data: No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s): Consult most current local Product Data Sheet prior to any use.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters *</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminiumgrit (stabilised)</td>
<td>7429-90-5</td>
<td>AGW</td>
<td>10 mg/m³</td>
<td>DE TRGS 900</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AGW</td>
<td>1,25 mg/m³</td>
<td>DE TRGS 900</td>
</tr>
</tbody>
</table>

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental exposure controls

General advice : No special environmental precautions required.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : granular
Colour : grey
Odour : odourless
Odour Threshold : No data available
Flash point : Not applicable
Autoignition temperature : > 600 °C
Decomposition temperature : No data available
Lower explosion limit : ca.30 % (V)
Upper explosion limit (Vol-%) : No data available
Flammability : The product is not flammable.
Explosive properties : No data available
Oxidizing properties : No data available
pH : Not applicable
Melting point/range : ca. 660 °C
Boiling point/boiling range : ca. 2.467 °C
Vapour pressure : No data available
Density : ca.2.7 g/cm3 at 20 °C
Bulk density : ca.1.100 kg/m3
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : Not applicable
Relative vapour density : No data available
Evaporation rate : No data available
9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions: No hazards to be specially mentioned.

10.4 Conditions to avoid
Conditions to avoid: No data available

10.5 Incompatible materials
Materials to avoid: No data available

10.6 Hazardous decomposition products
No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Not classified based on available information.

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

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.

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

Product:
Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:
Additional ecological information: There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number. Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany. For further details see www.sika.de
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
No data available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Prohibition/Restriction
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.
   Not applicable

Water contaminating class (Germany) : nwg not water endangering
                                      : VwVwS

VOC-CH (VOCV) : no VOC duties

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

ADR  Accord européen relatif au transport international des marchandises
     Dangereuses par Route
CAS  Chemical Abstracts Service
DNEL Derived no-effect level
EC50 Half maximal effective concentration
GHS  Globally Harmonized System
IATA International Air Transport Association
IMDG International Maritime Code for Dangerous Goods
LD50 Median lethal dosis (the amount of a material, given all at once, which
     causes the death of 50% (one half) of a group of test animals)
LC50 Median lethal concentration (concentrations of the chemical in air that
     kills 50% of the test animals during the observation period)
MARPOL International Convention for the Prevention of Pollution from Ships,
     1973 as modified by the Protocol of 1978
OEL Occupational Exposure Limit
PBT Persistent, bioaccumulative and toxic
PNEC Predicted no effect concentration
     Council of 18 December 2006 concerning the Registration, Evaluation,
     Authorisation and Restriction of Chemicals (REACH), establishing a
     European Chemicals Agency
SVHC Substances of Very High Concern
vPvB Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!