

Printing date 15.01.2015

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

1.1 Product identifier

Trade name: Granos

Article number: -

CAS Number:

67711-92-6

EC number:

266-968-3

Registration number: 01-2119513228-45-0007

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

Application of the substance / the preparation: Sand blasting, road construction, roofing tiles

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Montanwerke Brixlegg AG

Werkstraße 1

A-6230 Brixlegg

Tel: +43-5337-6151-0

Fax: +43-5337-6151-102

MSDS@Montanwerke-Brixlegg.com

More information: www.montanwerke-brixlegg.com

1.4 Emergency telephone number:

Tel: + 43-5337-6151-0

during normal business hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

Information concerning particular hazards for human and environment: void

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Designation:

67711-92-6 Slags, copper smelting

Identification number(s):

EC number: 266-968-3

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: After swallowing immediately consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

The product is non-flammable.
Use fire fighting measures that suit the environment.

Unsuitable extinguishing agents (for safety reasons): Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Avoid substance contact. Avoid generation of dusts. Avoid inhalation of dusts. Ensure supply of fresh air in enclosed rooms.

6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.
Dispose of the material collected according to regulations.

6.4 Reference to other sections

No dangerous substances are released.
See Section 7 for information on safe handling.
See also chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers: No special requirements.

Information on storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

PNECs:

67711-92-6 Slags, copper smelting

PNEC 50 g/l (Fresh water)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.
Separate storage of protective clothing.
Wash hands before breaks and at the end of work.

Breathing equipment: Required when dust is generated.

Protection of hands: Protective gloves

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Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information:

Appearance:

Form:	Powder
Colour:	Black
Odour:	Odourless
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition:

Melting point/Melting range: Not determined

Flash point: Not applicable.

Inflammability (solid, gaseous): Product is not inflammable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-inflammability: Not determined.

Danger of explosion: Product is not explosive.

Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

Vapourpressure: Not applicable.

Density: 3.4 - 4.0 g/cm³

Settled apparent density:	2 kg/dm ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.

Solubility in / Miscibility with:

Water: not soluble

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

dynamic:	Not applicable Not determined.
kinematic:	Not applicable.

Solids content: 100.0 %

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

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10.5 Incompatible materials:

Strong acid
Strong oxidizing agents

10.6 Hazardous decomposition products: None

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

67711-92-6 Slags, copper smelting

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rat)
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Primary irritant effect:

Skin: No irritant effect.

Eye: No irritant effect.

Sensitisation: No sensitizing effect known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Not known to be hazardous to water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal in compliance with local and/or national safety directions.

Uncleaned packagings:

Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA	Void
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14.2 UN proper shipping name

ADR, ADN, IMDG, IATA	Void
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14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA	Void
Class	

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14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	-

SECTION 15: Regulatory information

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

No further relevant information available.

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

User: Ursula Heinrich

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent