

Safety data sheet

according to 1907/2006/EC, Article 31 and 453/2010/EC

Printing date 12.01.2014

Version number 1

Revision: 12.01.2014

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

1.1 Product identifier

 Trade name: **AMAGRIT**
1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture *blasting agent*
1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:

ERVIN GERMANY GmbH

Auf dem Bruch 11

D – 45549 Sprockhövel

Phone: 0049 – (0)2324 / 9022244

Fax: 0049 – (0)2324 / 597788

http://www.ervin.eu

email: info@ervin.eu

Further information obtainable from:

Quality Assurance Department

(Mo-Do: 8:00 - 16:00, Fr: 08:00 - 13:00)

1.4 Emergency telephone number: 0049 – (0)2324 / 9022244

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC *Not applicable.*
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
2.2 Label elements
Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
Special labelling of certain preparations:
Safety data sheet available for professional user on request.
2.3 Other hazards
Results of PBT and vPvB assessment
PBT: *Not applicable.*
vPvB: *Not applicable.*

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: *Mixture: consisting of the following components.*
Dangerous components:

CAS: 7440-47-3 EINECS: 231-157-5	chromium	substance with a Community workplace exposure limit	<35%
CAS: 7440-44-0 EINECS: 231-153-3	carbon	substance with a Community workplace exposure limit	<5%

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31 and 453/2010/EC


Printing date 12.01.2014

Version number 1

Revision: 12.01.2014

Trade name: AMAGRIT

(Contd. of page 1)

CAS: 7439-96-5 EINECS: 231-105-1	manganese	 Xn R48	<5%
CAS: 7440-21-3 EINECS: 231-130-8	silicon	substance with a Community workplace exposure limit	<5%
CAS: 7439-89-6 EINECS: 231-096-4	iron		50-100%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air.

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

After skin contact:

Rinse with warm water.

Generally the product does not irritate the skin.

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

After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed irritation caused by dusts.

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: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water

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

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Product forms slippery surface when combined with water.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Only handle and refill product in closed systems.

Provide suction extractors if dust is formed.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31 and 453/2010/EC

Printing date 12.01.2014

Version number 1

Revision: 12.01.2014

Trade name: AMAGRIT

(Contd. of page 2)

Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal.

Information about fire - and explosion protection: *No special measures required.*

7.2 Conditions for safe storage, including any incompatibilities

Storage:

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

Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with acids.

Further information about storage conditions: *Store in dry conditions.*

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

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7440-47-3 chromium

WEL Long-term value: 0.5 mg/m³

7440-44-0 carbon

WEL Long-term value: 10* 4** mg/m³
*inhalable dust **respirable
(dust in general)

7440-21-3 silicon

WEL Long-term value: 10* 4** mg/m³
*inhalable dust **respirable dust
(dust in general)

Recommended monitoring procedures according to Regulation 453/2010/EC no. 8.1.2:

7440-47-3 chromium: ISO 15202 workspace air (E,F), BIA 6645 (D), MTA/MA-025/A92 (ESP)

Additional information: *The lists valid during the making were used as basis.*

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Filter P2

Protection of hands:

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Natural rubber, NR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.33 mm

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.

The determined penetration times according to EN 374 part III are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Value for the permeation: Level ≤ 6

Eye protection:



Tightly sealed goggles

(Contd. on page 4)

GB —

Safety data sheet

according to 1907/2006/EC, Article 31 and 453/2010/EC

Printing date 12.01.2014

Version number 1

Revision: 12.01.2014

Trade name: AMAGRIT

(Contd. of page 3)

Body protection: *Protective work clothing*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Solid
Colour:	Silver grey
Odour:	Odourless
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range:	1400 - 1550 °C (2552 - 2822 °F)
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.

Ignition temperature:

Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C (68 °F):	7.9 g/cm ³ (65.926 lbs/gal)
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with water:

Insoluble.

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

Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

Solvent content:

Organic solvents:	0.0 %
VOC (EC)	0.00 %
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

Thermal decomposition / 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.*
10.5 Incompatible materials: *No further relevant information available.*
10.6 Hazardous decomposition products: *Toxic metal oxide smoke*

(Contd. on page 5)

GB

Safety data sheet
according to 1907/2006/EC, Article 31 and 453/2010/EC

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Version number 1

Revision: 12.01.2014

Trade name: AMAGRIT

(Contd. of page 4)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
Primary irritant effect:

 on the skin: *No irritant effect.*

 on the eye: *No irritating effect.*
Sensitization: *No sensitizing effects known.*
Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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 *Contact manufacturer for recycling information.*
European waste catalogue
unused material:

 12 01 17: *waste blasting material other than those mentioned in 12 01 16*
used and contaminated material:

 12 01 16*: *waste blasting material containing dangerous substances*
Uncleaned packaging:
Recommendation: *Disposal must be made according to official regulations.*

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

(Contd. on page 6)

Safety data sheet
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Trade name: AMAGRIT

(Contd. of page 5)

14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: 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****National regulations:****Information about limitation of use:** *Employment restrictions concerning juveniles must be observed.***Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.***15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not 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.

Relevant phrases*R48 Danger of serious damage to health by prolonged exposure.***Contact:** *Dr. W. Assmann***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 Harmonized System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VOC: Volatile Organic Compounds (USA, EU)***Safety data sheet AMAGRIT**