

Ausgabedatum:02.07.2015

Safety data sheet

On the analogy of 91/155/EWG

1. Name of preparation / supplier

1.1 product name: Graphite HG045

1.2 supplier: Rudolf Hirner, technische Artikel
,A-4464 Kleinreifling 24,
Austria
Tel+Fax: +43 7357/20812,
e-mail: rudolf.hirner@hirner.eu

2. Composition / data of component parts

2.1 chemical characterization / description:
raw material based on carbon and/or graphite

2.2 Possible dangerous subject matters: none

3. Possible risks

Possible risks for human and environment: none

4. First-aid-measures

after inhalation: A worker, who inhaled lots of dust, should get some fresh air.

after skin contact: none

after swallow: drinking water

indications for doctor: none

5. Measures for firefighting

5.1 appropriate fire extinguishing agents: foam / sand / carbon dioxide

5.2 unsuitable fire extinguishing agents: direct water beam

5.3 special risks of material, it's burning products or appeared gases:
Dusts of processing can glow in oxygenated atmosphere above 350°C, whereas
CO / CO₂ and/or eventually SO₂ / SO₃ could develop. Pay attention to
appearance of metallic fume.

Ausgabedatum:02.07.2015

5.4. Special protection outfit: breathing protection

6. Measures for accidental release

- 6.1 preventive measures for human: none
- 6.2 preventive measures for environment: none
- 6.3 methods for cleaning / uptake: mechanical uptake

7. Handling and storage

- 7.1 handling: advise for savey handling: none
advise for fire-and explosion protection: none, if correctly handled
- 7.2 storage: demands on stockrooms: none
advise for condensation: none
more advises for storage demands: none

8. Personal safety equipment

- 8.1 breathing protection : no
- hand guard : yes
- eye protection : no
- body protection : no

9. Physical and chemical characteristics:

- 9.1 form: solid
- colour: grey / black
- smell: none

- 9.2 safety specifications
- pH-value: about 7
- boiling point: not specified
- melting point: not specified
- flammability: not specified
- ignition temperature: not specified
- self flammability: not specified
- oxidizing characters: none
- explosion risk: not specified
- vapour pressure: not specified
- density at 20°C 1,70 – 7,00 g/cm³
- solubility: not specified

Ausgabedatum:02.07.2015

10. stability and reactivity

10.1 conditions to avoid:
none

10.2 materials to avoid:
none

10.3 dangerous products of decomposition:
none

11. Toxicologic specifications:

11.1 acute toxicity: none

11.2 chronic toxicity: none

11.3 human experiences: hurtful agency at working on these products is not known.

12. Ecological data

Ecological indications: Could include the following heavy metals (according to composition):

silver, iron, copper, lead, antimony, stannous, zinc

13. Indications for disposal

13.1 product:
in compliance with the local regulations

13.2 uncleaned packages:
In Absprache mit den örtlichen Behörden.

14. Transport regulations

no hazardous material (in terms of transport regulations)

Ausgabedatum:02.07.2015

15. Regulations

No marking duty (in terms of local and national regulations)

16. Other data

All data are based on our actual knowledge.

They shall describe our products in terms of safety demands, but do not present an assurance of product characteristics and create no contractual legal relationship.

The graphite is used for the production of crucibles.