

EC-Safety Data Sheet

Safety Data Sheet to 91/155/EG

Reviewed: 04.01.2001

Print Date: 29.01.2007

Brand Name:

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deva.metal 101, 102, 103, 105, 106, 107, 108, 109, 110, 111, 112, 152, 153, 154, 155, 156,
161, 162, 163, 164, 165, 166, 172, 173, 174, 175

1. Substance, preparation and company code

Product Information

Product name: deva.metal 101, 102, 103, 105, 106, 107, 108, 109, 110, 111, 112, 152, 153, 154, 155, 156, 161, 162, 163, 164, 165, 166, 172, 173, 174, 175

Manufacturer/supplier: Federal-Mogul DEVA GmbH

Address: Schulstrasse 20

Country/zip code/city: D-35260 Stadtallendorf

Phone: 0049-6428/701-0

Fax: 0049-6428 /701 108

Responsible: QI

2. Composition/Information on Ingredients

Sintered metal alloy with components as follows:

- Copper, CAS-No. 7440-50-8
- Tin, CAS-No. 7440-31-5
- Graphite, CAS-No. 7782-42-5
- Copper phosphorus

3. Hazards Identification

No possible dangers known.

4. First Aid Measures

Valid for fine parts:

- **General indications:**
No special measurements are required.
- **First aid - inhalation:**
Remove to fresh air. Please obtain medical advice if aches occur.
- **First aid - skin:**
In general the product is not expected to cause any skin irritations..
- **First aid – eye:**
Rinse opened eye immediately with plenty of water for at least 10 minutes
- **First aid – after swallowing:**
Please seek medical advice if aches are continuous.

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5. Fire Fighting Measures

The metal components are not inflammable. A temperature in excess of 500°C causes decomposition of the graphite. Carbon monoxide and carbon dioxide are caused at combustion. Special protection equipment is not required.
Extinguishing media: Foam, sand, CO₂, and water.

6. Accidental Release Measures

Valid for fine parts:

- **Personal precautions:** are not required
- **Environmental precautions:** no special requirements
- **Clean-up methods:** clean-up with mechanical methods
- **Additional indications:** no hazardous materials will be released

7. Handling and Storage

- **Storage:**
 - Avoid storage near acids. The product may react with acids and release hydrogen and nitrous fumes
- **Handling:**
 - Indications for safe handling: no special measurements required.
 - Indications for precaution of fire/explosion: Acc. to no. 5, no special measurements are required

8. Exposure Controls/Personal Protection

Valid for fine parts

- components with limit values to control at work: MAK Cu: 1 mg maximum dust/m³
- **General measurements for protection/hygiene:**
The usual precaution measurements for chemicals have to be followed.
- **Skin/eye protection:** not required

9. Physical and Chemical Properties

- **Form:** bushes and plates
- **Colour:** bronze-coloured

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- **Odor:** odorless
- **Density at 20° C:** approx. 6,6 g/cm³

Safety relevant data:

- Steam pressure: not applicable
- Viscosity: not applicable
- Solubility in water: negligible
- Inflammable point: not applicable
- Explosion limit: not applicable
- Hazardous reactions: acc. to no. 7

10. Stability/Reactivity

- **Thermal decomposition and hazardous decomposition products:**
Decomposition and decomposition products are not expected when use/application is in accordance with regulations.
- **Special indications:** Acc. to no. 7

11. Toxicological Information

Acute danger: Primary irritations:

- skin contact: No irritations
- eye contact: No irritations
- sensitivity: No sensitize influence known.
- Specific symptoms in animal tests: Unknown
- Due to last valid EG list edition the product has to be marked.

12. Ecological information

- **General indications:** No water endangering known.

13. Disposal Considerations

- **recommendation:** Rests shall be collected and supplied to old metal commerce.

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14. Transport Information

This product is not classified as a dangerous good according to transport regulations.

15. Regulatory Information

- **Marks according to EWG-regulations:**

The product has to be marked according to EG lists. The usual precaution measurements for chemicals have to be considered when handling. The product has not to be marked as dangerous good as per EG regulations.

16. Other Information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product and it is not the basis for contracted rights.