

SAFETY DATA SHEET according to 91/115/EWG

article series 18 - TRO-COL bronze powder silver
18815000 version: 1

Date: 20.10.2006
Page 1 of 4

1. Identification of the substance/preparation and of the company/undertaking**00820-9330**

Commercial Product name series 18 - pigments TRO-COL bronze powder silver
Use of the substance with dry binder
just add water to obtain water-colour bronze

Company H.Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
www.schmincke.de

Phone # +49 (0) 211 - 25 09 - 0
Telefax # +49 (0) 211 - 25 09 - 461
Information Schmincke-laboratory: mo.-th. 8.00-16.30, fr. 8.00-13.30
tel.: +49 (0) 211 - 2509 - 474
eMail: labor@schmincke.de

Emergency Information
Emergencycall Berlin: +49 (0) 30 - 1 92 40

2. Composition/information on ingredients

Chemical characterization (substance) Bronze-powder with dry dextrine-glue-binder
Customs tariff number 18 815 - silver copper-nickel-zinc-alloy
Dangerous constituents

Nickel: 5 - 20 % CAS-number: 7440-02-0
R phrase(s): 40 - 43

3. Hazard identification

Classification

Nature of Hazard

Xn Harmful



R phrase(s)

R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.

4. First aid measures

General information
After inhalation

In case of problems seek medical advice and show the package or label
By continuous complaints consult a physician. Remove the casualty into
fresh air and keep him calm.

After skin contact
After eye contact

Wash off immediately with soap and water.
In case of contact with the eyes, rinse immediately for at least 15
minutes with plenty of water. In case of irritation consult an oculist.

After swallowing

When swallowed seek medical aid immediately and show the physician the

SAFETY DATA SHEET according to 91/115/EWG

article **series 18 - TRO-COL bronze powder silver**
18815000 version: 1

Date: 20.10.2006
 Page 2 of 4

After swallowing packaging or the lable of the packaging.

5. Fire fighting measures

Suitable extinguishing media Dry chemical extinguisher ABC powder Dry sand Extinguishing measures to suit surroundings
 Extinguisher unsuitable on safety grounds Water

6. Accidental release measures

Personal precautions Information regarding personal protective measures see, chapter 8. Avoid dust formation.
 Environmental precautions Do not discharge into the drains/surface waters/groundwater.
 Methods for cleaning up / spillage removal Take up with absorbent material (eg sand, kieselguhr, universal binder).
 Additional information Pick up mechanically.
 When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Handling
 Information for safe handling Ensure adequate ventilation. Observe the usual precautions when handling chemicals.
 Precautions against fire and explosion Protect from heat and direct sunlight. Keep away sources of ignition.
 Storage
 Requirement for storerooms and containers Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

8. Exposure controls / personal protection

Critical values of exposure
 Nickel CAS-number: 7440-02-0
 AGW according to TRGS 900 -> 0,5 E mg/m³
 remark: 2; 3; 25 (TRGS 901-78)

Limitation and surveillance of the exposure at the workplace.
 Respiratory protection Breathing apparatus in the event of high concentrations. Do not inhale dust.
 Hand protection
 Glove material Nitrile f.e. Camatril Art.No. 0735 - Kächele-Cama Latex GmbH, Am Kreuzacker 9, D-36124 Eichenzell, Internet: www.kcl.de
 Eye protection Safety glasses
 General protection and hygiene measures No special measures necessary if used correctly.

9. Physical and chemical properties

Appearance

SAFETY DATA SHEET according to 91/115/EWG

article series 18 - TRO-COL bronze powder silver
18815000 version: 1

Date: 20.10.2006
Page 3 of 4

Form Pasty
Colour silver colours
Odour weak solvent-like

10. Stability and reactivity**11. Toxicological information**

General remarks

General remarks By appropriate use of the product no health damage is known.

12. Ecological information

Additional ecological information

General remarks Do not discharge into the drains/surface waters/groundwater.

13. Disposal considerations

Product

Recommendation 080111* waste paint and varnish containing organic solvents or other dangerous substances

14. transport information

Additional information

Additional information The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

15. Regulatory information

Classification

Nature of Hazard	Xn Harmful
R phrase(s)	R40 Limited evidence of a carcinogenic effect. R43 May cause sensitisation by skin contact.
S phrase(s)	S2 Keep out of the reach of children. S7/8 Keep container tightly closed and dry. S43 In case of fire, use dry sand. 'Never use water' (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add 'Never use water'). S46 If swallowed, seek medical advice immediately and show this container or label.

16. Other information

SAFETY DATA SHEET according to 91/115/EWG

article **series 18 - TRO-COL bronze powder silver**
18815000 version: 1

Date: 20.10.2006
Page 4 of 4

R phrase(s)

R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.

Further remarks

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.