

# Material safety data sheet according 91/155/EWG

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## 1. Chemical product and company identification

Trade name: **TS 400**

### Techno-Service GmbH

Detmolder Str. 515, D-33605 Bielefeld

Phone-no. ++49 (0) 521 - 92 44 40

Information department: product security phone: ++49 (0) 521 - 92 44 40

Phone-no of supplier for emergency information: ++49 (0) 521 - 92 44 40

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## 2. Composition/information on ingredients

Chemical characteristics:

Non-toxic corrosion protection pigments (modified phosphate hydrates) embedded in epoxy resin ester

Dangerous ingredients:

Name	CAS-No:	Weight%	Symbol	R-phrases
Xylenes	1330-20-7	< 15 w%	Xn	10-20/21-38
Solvent naphta (petroleum), light arom.	64742-95-6	< 8 w%	Xn, N	10, 37, 51/53, 65

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## 3. Possible risks

Harmful by inhalation and in contact with skin. Flammable.

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## 4. First aid measures

In case of inhalation : supply person with fresh air  
In case of skin contact : wash off with plenty water and soap  
After contact with eyes : rinse eyes thoroughly with water, consult physician  
After ingestion : Do not induce vomiting. Immediately summon physician.

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## 5. Fire-fighting measures

Suitable extinguishing media : dry powder, foam, sand, carbon dioxide  
Extinguishing media that must not be used : full water jet  
Further information : use water to cool endangered containers

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## 6. Accidental release measures

Environmental precautions : Do not allow to enter canalisation / waterways / soil.  
Cleaning/Take-up-processes : Soak up with absorbent material.  
Dispose in accordance with federal, state and local environmental regulations.

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## 7. Handling and storage

Handling:

Instructions for safe handling : Keep container tightly closed. Use only in well-ventilated areas.

Storage:

Requirements for storage rooms: Keep container in a cool, well-ventilated place. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

## 8. Exposure controls / personal protection

Ingredients with limiting values to be controlled:

Name	CAS-No.	MAK	ml/m <sup>3</sup>
Xylenes	111-76-2	MAK	100
Solvent naphtha (petroleum), light arom.		MAK	50

Personal protective outfit:

Hand protection : Wear solvent resistant gloves.

Eye protection : Protective goggles are recommended.

General protection and

hygienic measures:

: Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing. Wash hands before break and after work.  
Keep away from sources of ignition - No smoking.

## 9. Physical and chemical properties:

Form : pasty  
Colour : red/grey  
Odour : characteristic

Safe relevant data:

Boiling point : approx. 135 to 150 °C (solvents)

Flash point : > 21 °C

Autoignition temperature : > 465 °C

Explosion hazard

lower explosion limit : 1 Vol.%

upper explosion limit : 7 Vol.%

Density : 1,4 g/ml (20°C)

Solubility : insoluble

pH value : n.a.

Viscosity : 280 mPas (20°C)

## 10. Stability and reactivity

Hazardous reactions : No decomposition if used as destined.

Hazardous decomposition products

: No decomposition if used as destined.

Thermal decomposition

: No hazardous decomposition products if used as destined.

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## 11. Toxicological information

Eye contact: irritating  
Skin contact: irritating effect possible  
Sensitization: no sensitization known.

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## 12. Ecological information

The product is insoluble in water. Do not allow to enter canalisation, waterways/groundwater, soil.

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## 13. Disposal considerations

Advices : Dispose as special waste in acc. with local and national official regulations (e.g. incineration plant).  
Waste code : EWC 08 01 11  
Waste from the MFSU of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks.  
(Waste paint and varnish containing organic solvents and dangerous substances)

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## 14. Transport information

Land transport (GGVS/GGVE)  
Class, number : 3, III  
UN-No./-Nr. : 1993/33  
Technical name : FLAMMABLE LIQUID, N.O.S. (WHITE SPIRIT)

Sea transport (IMDG/GGVSee)  
Class/Pg/UN-No. : 3.3/III/UN 1993  
EMS-No. : 3-07 MFAG-No. : 310  
PSN : FLAMMABLE LIQUID, N.O.S. (WHITE SPIRIT)

Aircraft transport (ICAO/IATA)  
Class/Pg/UN-No. : 3/III/1993  
PSN : FLAMMABLE LIQUID, N.O.S. (WHITE SPIRIT)

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## 15. Regulatory information

Data for labelling acc. GefStoffV/EC-regulations  
Hazard symbols : Xn (Harmful)  
Indications/Labeling:  
R 10 : Flammable  
R 20/21 : Harmful by inhalation and in contact with skin.  
S 2 : Keep out of reach of children  
S 23 : Do not breathe gas/fumes/vapour/spray  
S 24 : Avoid contact with skin  
S 62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National regulations (Germany)  
Classification acc. to VbF : A II  
Water hazard class : 2 hazardous to water (self-classification acc. to VwVws)

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## 16. Other information

This information is based on our present state of knowledge. They describe our product in view of the requirements for safety. They do not assure of certain properties of the product. A legal relationship is not vested. Duplication without changes of the original version is allowed.