

Material Safety Data Sheet

according to Regulation (EC) 1907/2006, Article 31

Product name : TPC 558

Revision : 28.05.2009

Version : 5

Print date : 15.12.2010

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01 Identification of the substance/preparation and of the company/undertaking

Product name

TPC 558

Use of the substance / preparation

TAMPONDRUCKFARBE - PAD PRINTING INK - ENCRE DE TAMPOGRAPHIE - TINTA DE TAMPOGRAFÍA

Manufacturer / Supplier:

TECA-PRINT AG
Bohlstrasse 17, Postfach
CH - 8240 Thayngen/Schweiz
Phone: +41 (0) 52 645 20 00
Fax: +41 (0) 52 645 21 01
E-mail: info@teca-print.com

Emergency information:

Schweizerisches Toxikologisches Infozentrum > 24 Stunden täglich : CH - nationaler Notruf für Vergiftungsnotfälle
= 145 oder Telefon : ++41 (0) 44 251 51 51

02 Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R10-52/53-67: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

The product has 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.

Label elements

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Risk phrases:

10 Flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Safety phrases

24 Avoid contact with skin.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
60 This material and its container must be disposed of as hazardous waste.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Special labelling of certain preparations:

Contains 1-dodecyl-2-pyrrolidone. May produce an allergic reaction.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

03 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous additions.

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Dangerous components:		
CAS: 54839-24-6 EINECS: 259-370-9	2-ethoxy-1-methylethyl acetate R 10-67 H226; H336	10-25 %
CAS: 7727-43-7 EINECS: 231-784-4	barium sulphate, natural	2,5-10 %
CAS: 1333-86-4 EINECS: 215-609-9	carbon black	2,5-10 %
CAS: 96-48-0 EINECS: 202-509-5	gamma-butyrolactone Xn R22; Xi R36 H302; H319; H313	1-2,5 %
CAS: 1330-20-7 EINECS: 215-535-7	xylene Xn R20/21; Xi R38 R10 H226; H312; H332; H315	1-2,5 %
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn R20-65; N R51/53 R10-66-67 H226; H304; H411; H332; H336; H313; H401	< 1 %
CAS: 2687-96-9 EINECS: 403-730-1	1 dodecyl-2-pyrrolidone C R34; Xi R43; N R50/53 H314; H400; H410; H317	< 1 %

Additional information:

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

Note P. Benzene content in Solvent naphtha < 0,1 %; therefore R45 "May cause Cancer" is not necessary.

04 First aid measures

Description of first aid measures:

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

05 Firefighting measures

Extinguishing media:

Suitable extinguishing agents:

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

For safety reasons unsuitable extinguishing agents:

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Water with full jet

Special hazards arising from the substance or mixture

No further relevant information available

Advice for firefighters:

Protective equipment:

Wear self-contained respiratory protective device.

06 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away,

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents

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.

07 Handling and storage

Handling:

Precautions for safe handling:

No special precautions are necessary if used correctly.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

Specific end use(s):

No further relevant information available

08 Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

7727-43-7 barium sulphate, natural

WEL Long-term value: 10* 4** mg/m³

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	*inhalable dust **respirable dust
1333-86-4 Carbon black	
WEL	Short-term value: 7 mg/m ³ Long-term value: 3,5 mg/m ³
1330-20-7 xylene	
WEL	Short-term value: 441 mg/m ³ , 100ppm Long-term value: 220 mg/m ³ 50 ppm Sk; BMGV

Additional information:

The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

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.

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.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber, BR

Eye protection:



Tightly sealed goggles

09 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance

Form:	Pasty
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined

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Change in condition	
Melting point /Melting range:	Undetermined
Boiling point /Boiling range:	158 °C
Flash point:	55 °C (Abel Pensky)
Ignition temperature :	410 °C
Decomposition temperature:	Not determined
Self-igniting:	Product is not selfigniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limit :	
Lower:	0,8 Vol %
Upper:	12,7 Vol %
Vapour pressure at 20 °C:	3 hPa
Density:	Not determined
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in / Miscibility with water:	not miscible or difficult to mix
Segregation coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic at 20 °C:	15000 mPas
Kinematic:	Not determined
VOC (EC):	3,50 %
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

11 Toxicological information

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.

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12 Ecological information

Toxicity:

Acquatic toxicity:

No further relevant information available

Persistence and degradability:

No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available.

Ecotoxicological effects:

Remark:

Harmful to fish

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects

No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue:

08 03 12 waste ink containing dangerous substances

08 03 12* waste ink containing dangerous substances

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border):

ADR/RID class: -
Not restricted good in accordance ADR 2.2.3.1.5

Maritime transport IMDG:

IMDG Class: -
Not restricted good in accordance IMDG 2.3.2.5

Marine pollutant: No

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Air transport ICAO-TI und IATA-DGR



ICAO/IATA Class:	3
UN/ID Number:	1210
Label:	3
Packaging group:	III
Proper shipping name:	PRINTING INK
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15 Regulatory information

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
R10	Flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed,
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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Department issuing data sheet:

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