

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : PLT18
Revision : 06.05.2009 **Version :** 9.0.0
Print date : 15.07.2010

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

Product name

PLT18

Use of the substance / preparation

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

Street/P.O.Box

PIAZZALE DEL LAVORO 149

Country code/Postal code/Town/City

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Contact

EDGARDO BAGGINI (info@comec-italia.it)

Emergency information

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02. Hazards identification

Hazard designation

Flammable. · May cause sensitisation by skin contact. · Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Harmful by inhalation and in contact with skin. · Irritating to eyes and skin.

Classification : R 10 · R 43 · R 52/53 · Xn ; R 20/21 · Xi ; R 36/38

03. Composition/information on ingredients

Hazardous components

2-BUTOXYETHYL ACETATE ; EC-No. : 203-933-3; CAS-No. : 112-07-2

Percentage : 10 - 25 %

Classification : Xn ; R 20/21

2-METHOXY-1-METHYLETHYL ACETATE ; EC-No. : 203-603-9; CAS-No. : 108-65-6

Percentage : 10 - 20 %

Classification : R 10 Xi ; R 36

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700) ; CAS-No. : 25068-38-6

Percentage : 10 - 25 %

Classification : N ; R 51/53 R 43 Xi ; R 36/38

CYCLOHEXANONE ; EC-No. : 203-631-1; CAS-No. : 108-94-1

Percentage : 2,5 - 10 %

Classification : R 10 Xn ; R 20

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. ; EC-No. : 265-198-5; CAS-No. : 64742-94-5

Percentage : 2,5 - 10 %

Classification : N ; R 51/53 Xn ; R 65 Xi ; R 36/37/38 R 67 R 66

XYLENE ; EC-No. : 215-535-7; CAS-No. : 1330-20-7

Percentage : 2,5 - 10 %

Classification : R 10 Xn ; R 20/21 Xi ; R 38

1,2,4-TRIMETHYLBENZENE ; EC-No. : 202-436-9; CAS-No. : 95-63-6

Percentage : < 1 %

Classification : R 10 N ; R 51/53 Xn ; R 20 Xi ; R 36/37/38

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

04. First-aid measures

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : PLT18
Revision : 06.05.2009 **Version :** 9.0.0
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General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Unconsciousness: lateral position - call a physician.

After inhalation

Remove concerned person out of danger area. Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash away with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Do not induce vomiting - call a physician. Keep at rest.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Remove ignition sources. Provide for sufficient ventilation. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

07. Handling and storage

Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Requirements to be met by storerooms and containers

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : PLT18
Revision : 06.05.2009 **Version :** 9.0.0
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08. Exposure controls/personal protection

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits)

2-BUTOXYETHYL ACETATE ; CAS-No. : 112-07-2

Specification : Limit value (Short term) (EC)
Value : 50 ppm / 333 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (8 hours) (EC)
Value : 20 ppm / 133 mg/m³
Remarks : H
Version date : 08.06.2000

2-METHOXY-1-METHYLETHYL ACETATE ; CAS-No. : 108-65-6

Specification : Limit value (Short term) (EC)
Value : 100 ppm / 550 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (8 hours) (EC)
Value : 50 ppm / 275 mg/m³
Remarks : H
Version date : 08.06.2000

CYCLOHEXANONE ; CAS-No. : 108-94-1

Specification : Limit value (Short term) (EC)
Value : 20 ppm / 81,6 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (8 hours) (EC)
Value : 10 ppm / 40,8 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (Short term) (GB)
Value : 100 ml/m³ / 400 mg/m³
Version date : 01.01.1989
Specification : Limit value (8 hours) (GB)
Value : 25 ml/m³ / 100 mg/m³
Version date : 01.01.1989

XYLENE ; CAS-No. : 1330-20-7

Specification : Limit value (Short term) (EC)
Value : 100 ppm / 442 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (8 hours) (EC)
Value : 50 ppm / 221 mg/m³
Remarks : H
Version date : 08.06.2000
Specification : Limit value (Short term) (GB)
Value : 150 ml/m³ / 650 mg/m³
Version date : 01.01.1989
Specification : Limit value (8 hours) (GB)
Value : 100 ml/m³ / 435 mg/m³

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : PLT18
Revision : 06.05.2009 **Version :** 9.0.0
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Version date : 01.01.1989

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

Hand protection

Solvent-resistant protective gloves must be worn. After washing hands replace lost skin fat by fat containing skin creams. Protective gloves tested according to EN 374 are advised. For short term contact use gloves with protection index of 2 or more (accordingly > 30 minutes of permeation time). For long term contact use gloves with protection index of 6 (accordingly > 480 minutes of permeation time).

Eye protection

Use safety glasses.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact. Use appropriate skin protection cream before work.

09. Physical and chemical properties

Image

Form : Viscous.
Colour : Coloured.
Odour : Like solvent.

Relevant safety data

Boiling point / range :	(1013 hPa)		137 - 215	°C	literature
Flash point :		ca.	43	°C	
Ignition temperature :			200 - 300	°C	
Lower explosion limit :			0,6	% b.v.	literature
Upper explosion limit :			10	% b.v.	literature
Vapour pressure :	(50 °C)	<	1000	hPa	
Vapour pressure :	(20 °C)	ca.	10	hPa	literature
Density :	(20 °C)		1,05 - 1,9	g/cm ³	
Solubility in water :	(20 °C)		insoluble		
pH value :			not applicable		

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Experience on practice

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Additional ecological information

Material Safety Data Sheet

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General ecological information

Do not empty into waters or drains. Toxic effect on fishes and micro-organisms.

13. Disposal considerations

Product

Do not empty into waters or drains. Can be taken to a suitable incineration centre in observance of local regulations.

Waste key

ABFALLSCHLÜSSEL nach AVV/EWC 08 03 14 Druckfarbenschlämme, die gefährliche Stoffe enthalten.
Die empfohlene Abfalleinstufung bezieht sich nur auf den reinen Druckfarbenabfall.

Contaminated packaging

Recommendation

Empty containers should be scrapped or reconditioned. Containers, which have not been emptied properly must be treated as special waste.

14. Transport information

Land transport ADR/RID

Classification

Class : 3 **Kemlercode :** 30
UN number : 1210 **Classification-Code :** F1

ADR : - (<= 450 l) · E 1 · Tunnel restriction code : D/E

Proper shipping name

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Packaging

Packaging group : III
Label : 3

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : 3 **EmS number :** F-E / S-D
UN number : 1210 **Marine Poll. :** -

IMDG 2.3.2.5 (<= 30 l) · E 1

Proper shipping name

PRINTING INK

Packaging

Packaging group : III
Label : 3

Air transport ICAO-TI and IATA-DGR

Classification

Class : 3
UN number : 1210
E 1

Proper shipping name

PRINTING INK

Packaging

Packaging group : III
Label : 3

15. Regulatory information

Classification according to EC directives

Danger symbol and danger designation



Xn ; Harmful

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R-phrases

10 Flammable.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
20/21 Harmful by inhalation and in contact with skin.
36/38 Irritating to eyes and skin.

S-phrases

57 Use appropriate container to avoid environmental contamination.
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
35 This material and its container must be disposed of in a safe way.
51 Use only in well-ventilated areas.
36/37 Wear suitable protective clothing and gloves.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Special designation for certain preparations

92 Contains epoxy constituents. See information supplied by the manufacturer.

National regulatory information

Other regulations

International regulatory information

Content VOC (EC) : 51,3 % b.w.

16. Other information

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

Relevant changes

14. Land transport ADR/RID and GGVS/GGVE · 14. Classification (ADR) · 14. Classification (IMDG) · 14. Air transport ICAO-TI and IATA-DGR · 14. Classification (ICAO)

R-Phrases of components

10 Flammable.
20 Harmful by inhalation.
20/21 Harmful by inhalation and in contact with skin.
36 Irritating to eyes.
36/37/38 Irritating to eyes, respiratory system and skin.
36/38 Irritating to eyes and skin.
38 Irritating to skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Department issuing data sheet

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
