

SAFETY DATA SHEET

Kodak Polychrome Graphics
A Subsidiary of Kodak

550 Plate Cleaner

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

Identification of the substance or preparation

Product name : 550 Plate Cleaner **Nr. SDS** : 60242
Date of issue : 2006-08-25.
Catalogue number : 9046418 **Version** : 4.2
Area of application : Industrial applications. Graphic Arts product. Plate cleaner.

Company/undertaking identification

Supplier : Kodak Polychrome Graphics Europe S.A.
 8, Avenue François Arago
 Zone Industrielle BP 116
 92164 Antony Cedex
 France

Emergency telephone number : **Emergency telephone number: Int. + 31.30.2748888.**
(Dutch National Poison Information Centre) Only for physicians and medical specialists in case of an accidental poisoning.

For other EHS Information : Kodak Polychrome Graphics EHS-Affairs EU/AF/AS/AU
 P.O. Box 56, 3750 GB Bunschoten, The Netherlands
 Phone: Int. +31 33 299 88 80
 Fax: Int. +31 33 299 88 89
 E-mail: EHS-EU@kpgraphics.com

Sale Rep :
 Kodak Polychrome Graphics Ltd.
 Axis 1, Rhodes Way,
 Watford Herts, WD2 4FD, Great Britain
 Phone: +44 1923 23 66 66
 Fax: +44 1923 24 47 14

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Symbol / R-Phrases
Water	7732-18-5	40-70	231-791-2	Not classified.
C9-12-Isoalkanes	90622-57-4	10-15	292-459-0	R10 Xn; R65 R66 R53
Dextrin	9004-53-9	5-10	232-675-4	Not classified.
Diatomaceous earth, calcined	68855-54-9	5-10	272-489-0	Xn; R68/20
Modified paraffin wax	KP004007	1-5		Not classified.
Phosphoric acid	7664-38-2	1-5	231-633-2	C; R34
Citric acid	77-92-9	1-5	201-069-1	Xi; R36
Disodium hydrogen phosphate	7558-79-4	1-5	231-448-7	Not classified.
Alcohols, C11-14-iso-, c13-rich, ethoxylated	78330-21-9	1-5		Xn; R22 Xi; R41
4-Chloro-3-methylphenol, sodium salt	15733-22-9	0.1-1	239-825-8	Xn; R21/22 Xi; R41 R43 N; R50

See section 16 for the full text of the R Phrases declared above

Within the present knowledge of the supplier, this product does not contain any other hazardous ingredients in quantities requiring reporting in this section, in accordance with EU regulations or National regulations.

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

Main hazards	: Harmful
Human health hazards	: Harmful: may cause lung damage if swallowed.
Environmental hazards	: Not applicable.
Physical/chemical hazards	: Flammable.
Classification	: R10 Xn; R65

4. First aid measures

First aid measures

Inhalation	: Allow the victim to rest in a well-ventilated area. If irritation persists, get medical attention.
Ingestion	: Do not induce vomiting. Have conscious person drink several glasses of water or milk. Get medical attention immediately.
Skin contact	: In case of contact, immediately flush skin with plenty of water. If irritation persists, get medical attention.
Eye contact	: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Not suitable	: Do not use water jet.
Special exposure hazards	: May emit toxic fumes under fire conditions.
Hazardous thermal decomposition products	: These products are carbon oxides (CO, CO ₂). halogenated compounds
Special protective equipment for fire-fighters	: Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal precautions	: Splash goggles. Lab coat. Latex gloves. In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	: Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. Handling and storage

Handling	: Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes, skin and clothing. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	: Flammable materials should be stored in a separate safety storage cabinet or room. Keep container tightly closed. Keep container in a cool, well-ventilated area. Prevent from freezing.
<u>Packaging materials</u>	
Recommended	: Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Europe Phosphoric acid	EU OEL (Europe, 2/2006). STEL: 2 mg/m ³ 15 minute/minutes. TWA: 1 mg/m ³ 8 hour/hours.
United Kingdom (UK)	

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Diatomaceous earth, calcined	EH40-WEL (United Kingdom (UK), 1/2005). TWA: 6 mg/m ³ 8 hour/hours. Form: Inhalable fraction
Phosphoric acid	EH40-WEL (United Kingdom (UK), 1/2005). TWA: 2.4 mg/m ³ 8 hour/hours. Form: Respirable fraction STEL: 2 mg/m ³ 15 minute/minutes. TWA: 1 mg/m ³ 8 hour/hours.

Exposure controls

Occupational exposure controls : Ventilation is normally required when handling or using this product (typically 10 air changes per hour). Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

Hand protection : Use chemical resistant gloves.
In case of prolonged immersion or frequently repeated contact use gloves made of the materials: natural latex (thickness \geq 0.75 mm, breakthrough time > 10 min).
Avoid gloves made of: nitrile rubber, neoprene.

Eye protection : Splash goggles.

Skin protection : Lab coat.

9. Physical and chemical properties

Physical state	: Liquid.
Color	: Colorless.
Odor	: Aromatic.
pH	: Not applicable.
Boiling point	: >100°C (212°F)
Melting point	: <0°C (32°F)
Relative density	: 1.06
Vapor pressure	: Not available.
Vapor density	: Not available.
Flammability	: FLAMMABLE.
Flash point	: Open cup: 43°C (109.4°F).
Solubility	: Easily soluble in cold water.

10. Stability and reactivity

Stability	: The product is stable.
Conditions to avoid	: Not available.
Materials to avoid	: Incompatible with strong oxidizing agents.
Hazardous decomposition products	: These products are carbon oxides (CO, CO ₂). halogenated compounds

11. Toxicological information

Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: Aspiration hazard if swallowed. Can enter lungs and cause damage.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
C9-12-Isoalkanes	LD50	>10000 mg/kg	Oral	Rat
	LD50	>3000 mg/kg	Dermal	Rabbit
	LC50	12.2 mg/l (4 hour/hours)	Inhalation	Rat
Phosphoric acid	LD50	1530 mg/kg	Oral	Rat
	LD50	2740 mg/kg	Dermal	Rabbit
Citric acid	LD50	3000 mg/kg	Oral	Rat
	LD50	5500 mg/kg	Dermal	Rat
4-Chloro-3-methylphenol, sodium salt	LD50	500 mg/kg	Oral	Rat

Potential chronic health effects

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[Ingredient name](#) [Carcinogenic effects](#) [Mutagenic effects](#) [Developmental toxicity](#) [Impairs fertility](#)

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : Aspiration hazard if swallowed. Can enter lungs and cause damage.

Skin : No known significant effects or critical hazards.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Phosphoric acid	Fish (LC50)	96 hour/hours	100 mg/l
Citric acid	Daphnia (EC50)	48 hour/hours	1535 mg/l
	Fish (LC50)	96 hour/hours	>440 mg/l

Other ecological information

Persistence/degradability

<u>Ingredient name</u>	<u>BOD₅</u>	<u>COD</u>	<u>ThOD</u>
Citric acid	0.42 g O ₂ /g	-	0.686 g O ₂ /g

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Citric acid	Not available.	Not available.	Not available.

Bioaccumulative potential

<u>Ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
Citric acid	Not available.	Not available.	Not available.

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations




Methods of disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste classification : This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.

European waste catalogue (EWC) : 09 01 99 + 15 01 10

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional information</u>
ADR/RID Class	UN1993	FLAMMABLE LIQUID, N.O.S. (C9-12-Isoalkanes)	3	III		CEFIC Tremcard 30GF1-III
IMDG Class	UN1993	FLAMMABLE LIQUID, N.O.S. (c9-12-isoalkanes)	3	III		Emergency schedules (EmS) F-E, S-E
IATA-DGR Class	UN1993	FLAMMABLE LIQUID, N.O.S. (c9-12-isoalkanes)	3	III		-

15. Regulatory information

EU Regulations

Hazard symbol/symbols :



Harmful

R-Phrases :

R10- Flammable.
R65- Harmful: may cause lung damage if swallowed.

Contains :

C9-12-Isoalkanes

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)

: R10- Flammable.
R21/22- Harmful in contact with skin and if swallowed.
R22- Harmful if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R68/20- Harmful: possible risk of irreversible effects through inhalation.
R34- Causes burns.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R41- Risk of serious damage to eyes.
R43- May cause sensitization by skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R50- Very toxic to aquatic organisms.
R53- May cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

: C - Corrosive
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment.

Revision comments :

Section : 7; 8; 11; 16

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Prepared by :

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Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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