

SAFETY DATA SHEET

Kodak Polychrome Graphics
A Subsidiary of Kodak

Tone Up Plate Cleaner C1259

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

Identification of the substance or preparation

Product name : Tone Up Plate Cleaner C1259
Nr. SDS : 60582
Date of issue : 2006-02-20.
Catalogue number : 9209784
Version : 4.21
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
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 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.
Mesitylene	108-67-8	20-25	203-604-4	R10 Xi; R37 N; R51/53
Gum Arabic	9000-01-5	20-25	232-519-5	Not classified.
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	5-10	265-185-4	R10 Xn; R65 N; R51/53
Naphthalene	91-20-3	1-5	202-049-5	Xn; R22 N; R50/53
Phosphoric acid	7664-38-2	1-5	231-633-2	C; R34
1,2,4-Trimethylbenzene	95-63-6	1-5	202-436-9	R10 Xn; R20 Xi; R36/37/38 N; R51/53

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	: Irritant, Dangerous for the environment.
Human health hazards	: Irritating to respiratory system.
Environmental hazards	: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Physical/chemical hazards	: Not applicable.
Classification	: Xi; R37 N; R51/53

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 chemicals, CO ₂ , water spray 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).
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 put the spilled material in an appropriate waste disposal. 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. Ventilation is normally required when handling or using this product (typically 10 air changes per hour). Wash thoroughly after handling.
Storage	: Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. 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	
Mesitylene	EU OEL (Europe, 6/2000). TWA: 100 mg/m ³ 8 hour(s).
Naphthalene	EU OEL (Europe, 7/2000). TWA: 50 mg/m ³ 8 hour(s).
Phosphoric acid	EU OEL (Europe, 6/2000). STEL: 2 mg/m ³ 15 minute/minutes. TWA: 1 mg/m ³ 8 hour(s).
1,2,4-Trimethylbenzene	EU OEL (Europe, 6/2000). TWA: 100 mg/m ³ 8 hour(s).
United Kingdom (UK)	
Mesitylene	EH40-WEL (United Kingdom (UK), 1/2005). TWA: 125 mg/m ³ 8 hour/hours.
Naphthalene	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 80 mg/m ³ 15 minute/minutes. TWA: 53 mg/m ³ 8 hour/hours.
Phosphoric acid	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 2 mg/m ³ 15 minute/minutes. TWA: 1 mg/m ³ 8 hour/hours.
1,2,4-Trimethylbenzene	EH40-WEL (United Kingdom (UK), 1/2005). TWA: 125 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 work-station 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. (Emulsion.)
- Color** : Off-white.
- Odor** : Hydrocarbon.
- pH** : 1.8 to 2.2 [Acidic.]
- Boiling point** : 185 to 215°C (365 to 419°F)
- Melting point** : <0°C (32°F)
- Specific gravity** : 1.035 to 1.05 (Water = 1)
- Vapor pressure** : 0.03 kPa (0.3 mm Hg) (at 20°C)
- Vapor density** : Not available.
- Flammability** : COMBUSTIBLE.
- Flash point** : Closed cup: >80°C (176°F).
- Explosion limits** : LOWER: 0.6% Upper: 8%
- Auto-ignition temperature** : >230°C (446°F)
- Solubility** : Miscible in water.

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to avoid** : Not available.
- Materials to avoid** : Incompatible with strong oxidizing agents. Incompatible with some alkalis.
- Hazardous decomposition products** : These products are carbon oxides (CO, CO₂).

11. Toxicological information

Potential acute health effects

- Inhalation** : Irritating to respiratory system.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : No known significant effects or critical hazards.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Naphtha (petroleum), hydrodesulfurized heavy	LD50	>5000 mg/kg	Oral	Rat
	LD50	>3160 mg/kg	Dermal	Rabbit
	LC50	>5 mg/l (4 hour(s))	Inhalation	Rat
Naphthalene	LD50	490 mg/kg	Oral	Rat
	LD50	>2500 mg/kg	Dermal	Rabbit
Phosphoric acid	LD50	1530 mg/kg	Oral	Rat
	LD50	2740 mg/kg	Dermal	Rabbit
1,2,4-Trimethylbenzene	LD50	5000 mg/kg	Oral	Rat
	LC50	18 mg/l (4 hour(s))	Inhalation	Rat

Potential chronic health effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
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- 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 : No known significant effects or critical hazards.
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>
Naphtha (petroleum), hydrodesulfurized heavy	Fish (LC50)	96 hour(s)	20 mg/l
	Daphnia (EC50)	48 hour(s)	1.8 mg/l
	Rainbow trout (Oncorhynchus mykiss) (LC50)	96 hour(s)	2.6 mg/l
Naphthalene	Daphnia (EC50)	48 hour(s)	2.2 mg/l
	Fish (LC50)	96 hour(s)	100 mg/l
Phosphoric acid	Fish (LC50)	96 hour(s)	100 mg/l
1,2,4-Trimethylbenzene	Fathead minnow (Pimepheles promelas) (LC50)	96 hour(s)	7.72 mg/l

Other ecological information

Persistence/degradability

<u>Ingredient name</u>	<u>BOD₅</u>	<u>COD</u>	<u>ThOD</u>
Naphthalene	0 g O ₂ /g	-	2.99 g O ₂ /g

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

Bioaccumulative potential

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

Mobility : Not available.




Other adverse effects : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphthalene)	9	III		CEFIC Tremcard 90GM6-III
IMDG Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphthalene).	9	III		Emergency schedules (EmS) - Marine pollutant Marine pollutant (P)
IATA-DGR Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphthalene)	9	III		-

15. Regulatory information

EU Regulations

Hazard symbol/symbols :



Irritant, Dangerous for the environment.

R-Phrases

- : R37- Irritating to respiratory system.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. Other information

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

- : R10- Flammable.
R20- Harmful by inhalation.
R22- Harmful if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R34- Causes burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.
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.

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 : 8; 16

History

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2006-02-20.

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**Tone Up Plate Cleaner
C1259**

Date of previous issue : 2004-11-12.
Version : 4.21
Prepared by : Kodak Polychrome Graphics, EHS-EU/AF/AS/AU, Bunschoten, NL

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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.

Version 4.21

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