

SAFETY DATA SHEET

Kodak Polychrome Graphics
A Subsidiary of Kodak

Greenstar positive plate developer

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

Identification of the substance or preparation

Product name : Greenstar positive plate developer **Nr. SDS** : 40482
Date of issue : 2006-10-10.
Catalogue number : 3799921; 3798386 **Version** : 4.2
Area of application : Industrial applications. Graphic Arts product. Plate developer.

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	70-100	231-791-2	Not classified.
Sodium silicate	1344-09-8	1-5	215-687-4	C; R34 Xi; R37

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 9.

3. Hazards identification

Main hazards :
Human health hazards : Not applicable.
Environmental hazards : Not applicable.
Physical/chemical hazards : Not applicable.
Classification : Not classified.

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.
- Skin contact** : After contact with skin, wash immediately 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, CO₂, water spray (fog) or foam.
- Not suitable** : None.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : Not applicable.
- 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. Nitrile 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 acetic acid. 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. Avoid prolonged contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Prevent from freezing.
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Europe Not available.	
United Kingdom (UK)	

Exposure controls

- Occupational exposure controls** : Ventilation is normally required when handling or using this product. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- 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:
butyl rubber (thickness \geq 0.36 mm, breakthrough time $>$ 480 min),
nitrile rubber (thickness \geq 0.38 mm, breakthrough time $>$ 480 min) or
neoprene (thickness \geq 0.65 mm, breakthrough time $>$ 240 min).
For intermittent splash protection corresponding gloves with breakthrough times $>$ 60 min can be used.

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Avoid gloves made of: natural rubber.

Eye protection : Splash goggles

Skin protection : Lab coat

9. Physical and chemical properties

Physical state : Liquid.
Color : Yellow. Pale color. (Light.)
Odor : Not available.
pH : 12.8 [Basic.]
Boiling point : >100°C
Melting point : <0°C
Specific gravity : 1.05 (Water = 1)
Vapor pressure : Not available.
Vapor density : Not available.
Flammability : Non-flammable.
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 some strong acids.
Hazardous decomposition products : Not applicable.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.
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>
Sodium silicate	LD50	1280 mg/kg	Oral	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>
Sodium silicate	Mosquitofish (Gambusia affinis) (LC50)	96 hour(s)	1800 mg/l

Other ecological information

Persistence/degradability

<u>Ingredient name</u>	<u>BOD₅</u>	<u>COD</u>	<u>ThOD</u>
<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>

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[Bioaccumulative potential](#)

[Ingredient name](#)

[LogP_{ow}](#)

[BCF](#)

[Potential](#)

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 : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

European waste catalogue (EWC) : 09 01 02*

14. Transport information

[International transport regulations](#)

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.					
IMDG Class	Not regulated.					
IATA-DGR Class	Not regulated.					

15. Regulatory information

[EU regulations](#)

R-Phrases : This product is not classified according to the EU regulations.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R34- Causes burns.
R37- Irritating to respiratory system.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : C - Corrosive
Xi - Irritant

Revision comments : Section : 7; 8; 13; 16

[History](#)

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Version : 4.2

Prepared by : Kodak Polychrome Graphics, EHS-EU/AF/AS/AU, Bunschoten, NL

[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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