

Material Safety Data Sheet



Goldstar Premium Positive and thermal printing plate developer

1. Chemical Product and Company Identification

Common Name : Goldstar Premium Positive and thermal printing plate developer

Synonym : Not available.

Catalog number : 5293535; 5155080; 5155486; 9374281; 9365990

Area of Application : Industrial applications. Graphic Arts product. Plate developer.

Supplier : Eastman Kodak Company
343 State Street
Rochester, New York, 14650
USA

Emergency telephone number : In Case of Emergency (medical/roadside) (24hrs)

For other Health, Safety and Environment Information : Eastman Kodak Company, Graphic Communications Group
Health, Safety & Environment
11465 Johns Creek Parkway, Suite 260, Duluth GA 30097 USA
EnviroServices Hotline: 1-877-574-7274 or 770-232-2133
Email: PEP@kpgraphics.com; Fax: 770-232-2150

MSDS#	253
Version	2.02
Validation Date	2006-09-25
Responsible Name	Eastman Kodak Company

KPG# 41251

CALL 1-800-451-8346

2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Water	7732-18-5	70-100	Not available.
2) Sodium silicate	1344-09-8	5-10	Not available.

3. Hazards Identification

Physical State and Appearance : Liquid.

Emergency Overview : WARNING!
CAUSES SKIN AND EYE IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Ventilation is normally required when handling or using this product (typically 10 air changes per hour). Wash thoroughly after handling.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes : Hazardous in case of eye contact (irritant).

Skin : Sensitizing properties of the product: Not available.
Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Inhalation : Low hazard for recommended handling

Ingestion : May be harmful if swallowed.

Potential Chronic Health Effects : **CARCINOGENIC EFFECTS:** Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: : Repeated or prolonged exposure is not known to aggravate any medical condition.

See Toxicological Information (section 11)

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4. First Aid Measures

- 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. Cold water may be used. Get medical attention immediately.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, get medical attention. Wash contaminated clothing before reusing.
- Inhalation** : Allow the victim to rest in a well-ventilated area. If irritation persists, seek medical attention.
- Ingestion** : Do not induce vomiting. Have conscious person drink several glasses of water or milk. Get medical attention immediately.

5. Fire Fighting Measures

- Flammability of the Product** : Non-combustible.
- Hazardous thermal (de)composition products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).
- Fire Hazards in Presence of Various Substances** : Not available.
- Explosion Hazards in Presence of Various Substances** : Not available.
- Fire Fighting Media and Instructions** : Use dry chemical, CO₂, water spray (fog) or foam.
- Protective Clothing (Fire)** : Be sure to use an approved/certified respirator or equivalent.

6. Accidental Release Measures

- Small Spill and Leak** : Absorb with an inert material and place in an appropriate waste disposal container. If necessary, 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.
- Large Spill and Leak** : Absorb with an inert material and place in an appropriate waste disposal container. 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 contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Ventilation is normally required when handling or using this product (typically 10 air changes per hour). Wash thoroughly after handling.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed. Prevent from freezing.

8. Exposure Controls, Personal Protection

- Engineering 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.

Personal Protection

- Eyes** : Safety glasses.
- Body** : Not applicable.
- Respiratory** : Not applicable.
- Hands** : Impervious gloves.
- Feet** : Not applicable.

Protective Clothing :
(Pictograms)



Personal Protection in Case of a Large Spill : Splash goggles. Lab coat. Impervious gloves. Ventilation is normally required when handling or using this product (typically 10 air changes per hour).

Product Name	Exposure Limits
1) Water	Not available.
2) Sodium silicate	Not available.

Consult local authorities for acceptable exposure limits.

9. Physical and Chemical Properties

Physical State and Appearance	: Liquid.	Odor	: Slight.
		Color	: Colorless.

pH : >13 [Basic.]

Boiling/Condensation Point : >100°C (212°F)

Melting/Freezing Point : <0°C (32°F)

Specific Gravity : 1.078 (Water = 1)

Vapor Pressure : Not available.

Vapor Density : Not available.

Volatility : 90 to 95% (w/w)

VOC content - calculated : 11.9 g/l (0.099 lbs/gal).

Dispersion Properties : See solubility in water.

Solubility : Easily soluble in cold water

10. Stability and Reactivity

Stability and Reactivity : The product is stable.

Conditions of Instability : Not available.

Incompatibility with Various Substances : Incompatible with strong oxidizing agents. Incompatible with some strong acids.

Hazardous Decomposition Products : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Hazardous Polymerization : Will not occur.

11. Toxicological Information

Toxicity to Animals	Water:	
	ORAL (LD50):	Acute: >90000 mg/kg [Rat].
	Sodium silicate:	
	ORAL (LD50):	Acute: 1280 mg/kg [Rat].

Chronic Effects on Humans : Not available.

Other Toxic Effects on Humans : Hazardous in case of skin contact (irritant), of eye contact (irritant).

12. Ecological Information

- Organics Readily Degradable (70%)** : Not available.
- Ecotoxicity** : Ecotoxicity in water (LC50): 1800 mg/l, 96 hour/hours [Fish (Mosquitofish (Gambusia affinis))]. (Sodium silicate).

13. Disposal Considerations

- Waste Information** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

14. Transport Information

- DOT Classification** : Not a DOT controlled material (United States).



- TDG Classification** : Not a TDG-controlled material.
- ADR/RID Classification** : Not controlled under European ADR.
- IMO/IMDG Classification** : Not controlled under IMDG.
- ICAO/IATA Classification** : Not controlled under IATA.

15. Regulatory Information

- HCS Classification** : HCS Class: Irritating substance.
- U.S. Federal Regulations** : TSCA 8(b) inventory: All the ingredients are on the TSCA list.
SARA 302 extremely hazardous substances: No products were found.
SARA 304 emergency planning and notification: No products were found.
- SARA 313 Reporting Requirements** :
No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112(r) accidental release prevention: No products were found.

International Regulations

- WHMIS (Canada)** : Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

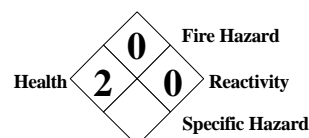
- CEPA DSL/NDSL** : CEPA DSL: All the ingredients are on the DSL list.

- DSCL (EEC)** : R36/38- Irritating to eyes and skin.

- State Regulations** : No products were found.
California Prop. 65: No products were found.

16. Other Information

- Hazardous Material Information System (U.S.A.)** :
- | | |
|---------------------|---|
| Health | 2 |
| Fire Hazard | 0 |
| Reactivity | 0 |
| Personal Protection | B |
- National Fire Protection Association (U.S.A.)**



References : Not available.

Other Special : Not available.

Considerations

Validated by Kodak Polychrome Graphics on 2006-09-25.

Verified by Kodak Polychrome Graphics.

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In Case of Emergency CALL 1-800-451-8346

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.

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