

# Safety Data Sheet

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## 1. Identification of the substance/mixture and of the company/undertaking

**Product name:** KODAK 850S Plate Finisher

**Product code:** 7461742

**Synonyms:** None.

**Relevant identified uses of the substance or mixture and uses advised against:**

**Identified uses:** plate processing chemical. For industrial use only.

**Supplier:** EASTMAN KODAK COMPANY, 343 State Street, Rochester, New York 14650

IN EMERGENCY, telephone: 1-800-424-9300 or +1 703-527-3887.

For further information about this product, call (800) 242-2424.

## 2. Hazards identification

**Classification of the chemical in accordance with paragraph (d) of 29 CFR 1910.1200:**

Hazard class	Hazard category	Route of exposure
Skin sensitisation	Category 1	--
Acute aquatic toxicity	Category 3	--
Chronic aquatic toxicity	Category 3	--

### GHS-Labeling

**Contains:**

Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt (65143-89-7), 1,3-Propanediol, 2-bromo-2-nitro- (52-51-7), Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4) and 2-methyl-4-isothiazolin-3-one (2682-20-4)(3:1) (55965-84-9)

**Symbol(s):**



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**Signal word:** Warning

**Hazard statements:** May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

**Prevention:** Avoid breathing mist or vapours. Wear protective gloves. Avoid release to the environment.

**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

**HMIS IV Hazard Ratings:** Health - 2, Flammability - 0, Physical Hazard - 0

**NFPA Hazard Ratings:** Health - 2, Flammability - 0, Instability - 0

NOTE: HMIS IV and NFPA 704 (2007) hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

### 3. Composition/information on ingredients

Weight percent	Components - (CAS-No.)
0.1 - < 1	Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt (65143-89-7)
0.05 - < 0.1	1,3-Propanediol, 2-bromo-2-nitro- (52-51-7)
0.01 - < 0.05	Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4) and 2-methyl-4-isothiazolin-3-one (2682-20-4)(3:1) (55965-84-9)

### 4. First aid measures

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lens, if worn. Get medical attention if symptoms persist.

**Skin:** Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.

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**Most important symptoms and effects, both acute and delayed:** Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Indication of any immediate medical attention and special treatment needed:**

**Treatment:** No information available.

## 5. Firefighting measures

**Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment..

**Special hazards arising from the substance or mixture**

**Hazardous Combustion Products:** None (noncombustible)

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective suit. Fire or excessive heat may produce hazardous decomposition products.

**Unusual Fire and Explosion Hazards:** None.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Refer to protective measures listed in sections 7 and 8.

**Methods and materials for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

**Environmental precautions:** Prevent runoff from entering drains, sewers, or streams.

**For Large Spills:** Prevent runoff from entering drains, sewers, or streams.

## 7. Handling and storage

**Precautions for safe handling**

**Personal precautions:** Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials.

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**Ventilation:** Good general ventilation should be used. Ventilation rates should be matched to conditions.

**Conditions for safe storage, including any incompatibilities:** Keep in a dry, cool and well-ventilated place. Cool conditions (5 - 30°C). Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep away from incompatible substances (see Incompatibility section.)

## 8. Exposure controls/personal protection

**Occupational exposure controls:** Not established

**Appropriate engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

**Eye protection:** Wear safety glasses with side shields (or goggles) and a face shield.

**Hand protection:** Wear protective gloves/ protective clothing.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

## 9. Physical and chemical properties

**Physical form:** liquid

**Colour:** brown

**Odour:** No data available - testing not performed

**Specific gravity:** 1.08

**Vapour pressure:** No data available - testing not performed

**Vapour density:** No data available - testing not performed

**Boiling point/boiling range:** No data available - testing not performed

**Water solubility:** No data available - testing not performed

**pH:** 2.1 - 2.3

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**Flash point:** does not flash

**Evaporation rate:** No data available - testing not performed

**Flammability (Solid; gas):** No data available - testing not performed

**Upper explosion limit:** No data available - testing not performed

**Lower explosion limit:** No data available - testing not performed

**Partition coefficient: n-octanol/water:** No data available - testing not performed

**Auto-ignition temperature:** No data available - testing not performed

**Decomposition temperature:** No data available - testing not performed

**Viscosity:** No data available - testing not performed

**Explosive properties:** No data available - testing not performed

**Oxidizing properties:** No data available - testing not performed

## 10. Stability and reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerisation does not occur.

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** None under normal conditions of use.

## 11. Toxicological information

### Effects of Exposure

**Inhalation:** Airborne dust/mist/vapor may be irritating.

**Eyes:** Causes serious eye damage.

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**Skin:** Expected to be a low hazard for recommended handling.

**Ingestion:** May cause burns of the gastrointestinal tract if swallowed.

## Data for Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt (CAS 65143-89-7):

### Acute Toxicity Data:

Oral LD50 (Rat): > 5,000 mg/kg (in water, no deaths occurred)

## Data for 1,3-Propanediol, 2-bromo-2-nitro- (CAS 52-51-7):

### Acute Toxicity Data:

Oral LD50 (Rat): 180 mg/kg

- Inhalation LC50 (Rat): > 5 g/m<sup>3</sup> / 6 hr (no deaths occurred)
- Dermal LD50 (Rat): 1,600 mg/kg

## Data for Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4) and 2-methyl-4-isothiazolin-3-one (2682-20-4)(3:1) (CAS 55965-84-9):

### Acute Toxicity Data:

Oral LD50 (Rat): 40 - 78.5 mg/kg

- Oral LD50 (Rat): 53 mg/kg
- Inhalation LC50 (Rat): 1.4 - 1.5 mg/l / 4 hr (aerosol)
- Dermal LD50 (Rabbit): 87 mg/kg
- Skin irritation: Corrosive (0.6% active ingredient)
- Skin irritation: moderate (0.3% active ingredient)
- Skin irritation: none (0.06% active ingredient)
- Sensitisation (Guinea pig): Causes sensitisation.
- Eye irritation (1.7% active ingredient): Corrosive
- Eye irritation (0.3 - 0.6% active ingredient): Irritating to eyes.
- Eye irritation (0.06% active ingredient): none

### Mutagenicity/Genotoxicity Data:

- Salmonella typhimurium assay (Ames test) (TA100): positive (in absence of activation)
- Mouse lymphoma assay: positive (in absence of activation)
- Unscheduled DNA synthesis (UDS) assay: negative
- Chromosomal aberration assay in vivo: negative
- Mouse micronucleus assay: negative

Definitions for the following section(s): LOEL =lowest-observed-effect level, LOAEL = lowest-observed-adverse-effect, NOAEL = no observed-adverse-effect level, NOEL =no-observed-effect level.

### Repeated dose toxicity:

- Oral (28-day, Rabbit): NOEL; 0.4 mg/kg/day
- Oral (13 week, Rat): NOEL; 8 mg/kg/day

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- Inhalation (14-day, Rat): NOEL; < 0.03 mg/l/6 hours/day

### Reproductive Toxicity Data:

- Oral (20 mg/kg/day, Rat): NOEL for reproductive toxicity; 20 mg/kg/day

### Carcinogenicity

American Conference of Governmental Industrial Hygienists (ACGIH):	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
International Agency for Research on Cancer (IARC):	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
U.S. National Toxicology Program (NTP):	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
U.S. Occupational Safety and Health Administration (OSHA):	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

### Potential Toxicity:

Toxicity to fish (LC50): 10 - 100 mg/l estimated

Toxicity to daphnia (EC50): 10 - 100 mg/l estimated

**Persistence and degradability:** Not readily biodegradable.

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This product has not been tested for environmental effects.

## Bioaccumulative potential

No data available

## Mobility in soil

No information available.

## 13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: [www.kodak.com/go/ship](http://www.kodak.com/go/ship).

## 15. Regulatory information

### Notification status

Regulatory List	Notification status
TSCA	Not all listed
DSL	All listed
NDSL	None listed
EINECS	Not all listed
ELINCS	Listed
NLP	None listed
AICS	Not all listed
IECS	All listed
ENCS	Not all listed
ECI	All listed
NZIoC	All listed
PICCS	All listed



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TCSI All listed

TSCA 12(b) Listed

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

### Other regulations

U.S. - CERCLA/SARA (40 CFR § 302.4 Designation of hazardous substances):	No components of this product are subject to the SARA Section 302 (40 CFR 302.4) reporting requirements.
U.S. - CERCLA/SARA - Section 302 (40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities):	No components of this product are subject to the SARA Section 302 (40 CFR 355) reporting requirements.
U.S. - CERCLA/SARA - Section 313 (40 CFR § 372.65 Toxic Chemical Release Reporting):	No components of this product are subject to the SARA Section 313 (40 CFR 372.65) reporting requirements.
U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances:	No components found on the California Director's List of Hazardous Substances.
U.S. - California - 8 CCR Section 5200-5220 - Specifically Regulated Carcinogens:	No components found on the California Specifically Regulated Carcinogens List.
U.S. - California - 8 CCR Section 5203 Carcinogens:	No components found on the California Section 5203 Carcinogens List.
U.S. - California - 8 CCR Section 5209 Carcinogens:	No components found on the California Section 5209 Carcinogens List.
U.S. - Massachusetts - General Law Chapter 111F (MGL c 111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law):	No components regulated under the Massachusetts Hazardous Substances Disclosure by Employers Law.
U.S. - Minnesota Employee Right-to-Know (5206.0400, Subpart 5. List of Hazardous Substances):	No components found on the Minnesota Employee Right-to-Know List of Hazardous Substances.
U.S. - New Jersey - Worker and Community Right to Know	No components regulated under the

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Act (N.J.S.A. 34:5A-1):

New Jersey Worker and  
Community Right-to-Know Act.

U.S. - Pennsylvania - Part XIII. Worker and Community  
Right-to-Know Act (Chapter 323 Hazardous Substance  
List, Appendix A):

Water , Dextrin

## 16. Other information

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The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.

### US/Canadian Label Statements:

#### KODAK 850S Plate Finisher

##### Contains:

Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt (65143-89-7), 1,3-Propanediol, 2-bromo-2-nitro- (52-51-7), Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4) and 2-methyl-4-isothiazolin-3-one (2682-20-4)(3:1) (55965-84-9)

##### Symbol(s):



**Signal word:** Warning

**Hazard statements:** May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

##### Precautionary statements:

**Prevention:** Avoid breathing mist or vapours. Wear protective gloves. Avoid release to the environment.

**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

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This Safety Data Sheet has been compiled and is solely intended for this product. The information is based upon the present state of our knowledge.

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R-1, S-2, F-0, C-0