

Safety Data Sheet

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

Product name: KODAK PHOTO-FLO 200 Solution, Working Solution

Product code: 1464510 - Working Solution

Synonyms: None.

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

Identified uses: Film or paper manufacturing chemical. For industrial use only.

Supplier: Kodak Alaris Inc., 2400 Mount Read Boulevard, Rochester, NY 14615

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

For further information about this product, email EHS-Questions@Kodakalaris.com.

2. Hazards identification

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

Hazard class	Hazard category	Route of exposure
	This material is not classified as hazardous according to the Hazard Communication Standard (HCS 2012).	--

GHS-Labeling

Contains:

Components either non-hazardous or below regulatory thresholds (proprietary)

Hazard statements: This material is not classified as hazardous according to the Hazard Communication Standard (HCS 2012).

Precautionary statements:

Prevention: Keep container tightly closed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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Response: Call a POISON CENTER or doctor/ physician if you feel unwell.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

HMIS III Hazard Ratings: Health - 1, Flammability - 0, Physical Hazard - 0

NFPA Hazard Ratings: Health - 1, Flammability - 0, Instability - 0

NOTE: HMIS III 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.)
0.5 - 1	Octylphenoxyethoxyethanol (9036-19-5)

4. First aid measures

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

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 occur.

Skin: Wash off with soap and water. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed:

Treatment: No information available.

5. Firefighting measures

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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: None (noncombustible)

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 inert material, then place in a chemical waste container. Clean surface thoroughly to remove residual contamination.

Environmental precautions: No information available.

7. Handling and storage

Precautions for safe handling

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

Prevention of Fire and Explosion: No special technical protective measures required.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Occupational exposure controls: Not established

Appropriate engineering controls: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Individual protection measures, such as personal protective equipment

Eye protection: Wear safety glasses with side shields (or goggles).

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Hand protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory protection: None should be needed.

9. Physical and chemical properties

Physical form: liquid

Colour: No data available

Odour: No data available

Specific gravity: No data available

Vapour pressure: No data available

Vapour density: No data available

Boiling point/boiling range: No data available

Water solubility: soluble

pH: No data available

Flash point: does not flash

Evaporation rate: No data available

Flammability (Solid; gas): No data available

Upper explosion limit: No data available

Lower explosion limit: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

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Oxidizing properties: No data available

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: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous decomposition products: None under normal conditions of use.

11. Toxicological information

Effects of Exposure

General advice:

Contains: Octylphenoxypolyethoxyethanol. The toxicological properties of this material have not been fully investigated and its handling and use may be hazardous.

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: No specific hazard known. May cause transient irritation.

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

Ingestion: Expected to be a low ingestion hazard.

Data for Octylphenoxypolyethoxyethanol (CAS 9036-19-5):

Acute Toxicity Data:

Oral LD50 (rat): 800 - 1,600 mg/kg

- Oral LD50 (rat): 4,190 mg/kg
- Dermal LD50: 12,000 mg/kg
- Skin irritation: slight
- Skin Sensitization (human): negative
- Eye irritation: severe

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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.

Developmental Toxicity Data:

- Dermal (female rat): LOEL for developmental toxicity; 400mg/kg/day
- Oral (female rat): NOAEL for developmental toxicity; 600ppm

12. Ecological information

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

Potential Toxicity:

Toxicity to fish (LC50):	> 100 mg/l
Toxicity to daphnia (EC50):	> 100 mg/l
Toxicity to algae:	10 - 100 mg/l

Persistence and degradability: Not readily biodegradable.

This preparation 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.

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15. Regulatory information

Notification status

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

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.

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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.

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.

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U.S. - New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1):	No components regulated under the 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

16. Other information

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 PHOTO-FLO 200 Solution, Working Solution

Contains:

Components either non-hazardous or below regulatory thresholds (proprietary)

Hazard statements: This material is not classified as hazardous according to the Hazard Communication Standard (HCS 2012).

Precautionary statements:

Prevention: Keep container tightly closed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: Call a POISON CENTER or doctor/ physician if you feel unwell.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

FIRST AID: If inhaled, remove to fresh air. Any material that contacts the eye should be washed out immediately with water. Wash off with soap and water. Get medical attention if symptoms occur. Keep out of reach of children. Do not handle or use until safety precautions in Material Safety Data Sheet (MSDS) have been read and understood. Since emptied containers retain product residue, follow label warnings even after container is emptied. **IN CASE OF FIRE:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. **IN CASE OF SPILL:** Absorb spill with inert material, then place in a chemical waste container. Clean surface thoroughly to remove residual contamination. Additional Components Include: Water (7732-18-5) , Octylphenoxypolyethoxyethanol (9036-19-5).

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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

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