

# Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 1/7

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

**Product name:** KODAK MIN-R SCREEN CLEANER 6347B0

**Product code:** 10077437

**Supplier:** Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608; Carestream Health Canada Company, 6 Monogram Place, Suite 200, Toronto, Ontario, M9R 0A1

MSDS Prepared by: Health, Safety and Environment, Carestream Health, Inc., Rochester, New York, 14608.

For Emergency Health Information call: 1-800-424-9300.

For Other Information, call the Marketing and Distribution Center in Your Area.

**Synonyms:** PCD 6512

**Product Use:** photographic processing chemical, For industrial use only.

## 2. Hazards identification

**CONTAINS:** Isothiazolone derivatives (not applicable)

**WARNING!**  
**MAY CAUSE ALLERGIC SKIN REACTION**

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

NOTE: NFPA 704 (2007) hazard indexes involves data review and interpretation that may vary among companies. It is 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 %	Components (CAS-No.)
0.0015 - 0.3	Isothiazolone derivatives (not applicable)
0.1 - 1	Ethylene glycol (107-21-1)

## 4. First aid measures

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

**Eyes:** Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

# Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 2/7

---

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** Get medical attention if symptoms occur.

## 5. Fire-fighting measures

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

**Special Fire-Fighting Procedures:** None (noncombustible)

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

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

## 6. Accidental release measures

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

## 7. Handling and storage

**Personal precautions:** Avoid breathing dust or vapour at concentrations greater than the exposure limits. Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

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

**Storage:** Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

## 8. Exposure controls / personal protection

### Occupational exposure controls

Chemical Name	Regulatory List	Value Type	Value
Ethylene glycol	ACGIH	Ceiling Limit Value: <i>Form of exposure: Aerosol.</i>	100 mg/m <sup>3</sup>

**Ventilation:** 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.

**Respiratory protection:** None should be needed. If engineering controls do not maintain airborne concentrations below recommended exposure limits, 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.

# Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 3/7

---

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

**Skin and body protection:** Wear impervious gloves and protective clothing appropriate for the risk of exposure.

**Recommended Decontamination Facilities:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

## 9. Physical and Chemical Properties

**Physical form:** liquid (Presaturated pad)

**Colour:** colourless

**Odour:** slight

**Specific gravity:** 0.999

**Vapour pressure (at 20.0 °C (68.0 °F)) :** 18 mbar (13.5 mm Hg)

**Vapour density:** 0.6

**Volatile fraction by weight:** 95 - 100 %

**Boiling point/range:** 100.0 °C (212.0 °F)

**Water solubility:** complete

**pH:** 6.9

**Flash point:** does not flash

## 10. Stability and reactivity

**Stability:** Stable under normal conditions.

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

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

**Hazardous Polymerization:** Hazardous polymerization does not occur.

## 11. Toxicological information

### Effects of Exposure

**General advice:**

# Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 4/7

---

Contains: Ethylene glycol. Harmful or fatal if swallowed. Can cause kidney damage and CNS effects based on human data. May cause adverse reproductive effects following ingestion based on animal data.

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

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

**Skin:** May cause allergic skin reaction.

**Ingestion:** Expected to be a low ingestion hazard.

## 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 (IC50): > 100 mg/l

Toxicity to other organisms (EC50): > 100 mg/l

**Persistence and degradability:** Readily biodegradable

**Chemical Oxygen Demand (COD):** ca. 1.5 g/l

**Biochemical Oxygen Demand (BOD):** ca. 1.2 g/l

When diluted with a large amount of water, this material released directly or indirectly into the environment is not expected to have a significant impact.

## 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.carestreamhealth.com/go/ship2](http://www.carestreamhealth.com/go/ship2).

## 15. Regulatory information

**Notification status**

# Material Safety Data Sheet

Revision Date: 22.08.2007  
 000000007812/Version: 1.1  
 Print Date: 09.11.2010  
 Page: 5/7

---

Regulatory List	Notification status	Other information	Not listed
EINECS	n (Negative listing)	-	Telomer b monoether with polyethylene glycol; Neutral material
TSCA	n (Negative listing)	Not On TSCA Inventory	Neutral material
AICS	n (Negative listing)	-	Neutral material
DSL	n (Negative listing)	This product contains the following components that are not on the Canadian DSL nor NDSL lists.	Neutral material
ENCS (JP)	n (Negative listing)	-	Telomer b monoether with polyethylene glycol; Neutral material
KECI (KR)	n (Negative listing)	-	Neutral material
PICCS (PH)	n (Negative listing)	-	Neutral material
INV (CN)	n (Negative listing)	-	Neutral material

A N (Negative listing) indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Carestream Health.

**WHMIS (Canada):** D2B

**WHMIS Symbol(s):**



**Other regulations**

American Conference of Governmental Industrial Hygienists (ACGIH):	No component of this product present at levels greater than or equal to 0. by ACGIH.
International Agency for Research on Cancer (IARC):	No component of this product present at levels greater than or equal to 0. carcinogen by IARC.
U.S. National Toxicology Program (NTP):	No component of this product present at levels greater than or equal to 0. NTP.
U.S. Occupational Safety and Health Administration (OSHA):	No component of this product present at levels greater than or equal to 0. by OSHA.
U.S. California Prop. 65:	none
US. EPA Emergency Planning and Community Right-To-Know Act	SARA 313: This material does not contain

# Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 6/7

---

(EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:	any chemical components with know reporting levels established by SARA Title III, Section 313.
US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A):	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323):	Water
US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000):	No components are subject to Massachusetts Right To Know Act.
US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5):	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:

**CONTAINS: Isothiazolone derivatives (not applicable)**

**WARNING!**  
**MAY CAUSE ALLERGIC SKIN REACTION**

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.

**FIRST AID:** If inhaled, move to fresh air. Get medical attention if symptoms occur. Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes. 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.

## Material Safety Data Sheet

Revision Date: 22.08.2007  
000000007812/Version: 1.1  
Print Date: 09.11.2010  
Page: 7/7

---

**IN CASE OF SPILL:** Absorb spill with inert material, then place in a chemical waste container. Clean surface thoroughly to remove residual contamination.

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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.

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