

# Material Safety Data Sheet

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

**Product name:** KODAK HC-110 Developer

**Product code:** 1408988

**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](mailto:EHS-Questions@Kodakalaris.com).

**Synonyms:** PCD 4987

**Product Use:** photographic processing chemical (developer/activator), For consumer and industrial use.

## 2. Hazards identification

**CONTAINS:** Diethanolamine (111-42-2), Sulphur dioxide (7446-09-5), Hydroquinone (123-31-9), Diethylene glycol (111-46-6), Ethanolamine (141-43-5), Diethylenetriaminepentaacetic acid (67-43-6), Potassium bromide (7758-02-3), 3-Pyrazolidinone, 4-methyl-1-phenyl- (2654-57-1), 1,2-Benzenediol (120-80-9)

### **DANGER!**

**HARMFUL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED  
MIST OR VAPOR IRRITATING TO EYES AND RESPIRATORY TRACT**

**CAUSES SKIN AND EYE BURNS**

**MAY CAUSE ALLERGIC SKIN REACTION**

**CAN CAUSE LUNG DAMAGE**

**CAN CAUSE KIDNEY DAMAGE AND CNS EFFECTS FOLLOWING INGESTION**

**MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA**

**MAY CAUSE BLOOD DISORDERS BASED ON ANIMAL DATA**

**HMIS III Hazard Ratings:** Health - 3\*, Flammability - 1, Physical Hazard - 0

**NFPA Hazard Ratings:** Health - 3, Flammability - 1, 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

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| <b>Weight percent</b> | <b>Components - (CAS-No.)</b>                    |
|-----------------------|--|
| 30 - 35               | Diethanolamine (111-42-2)                        |
| 15 - 20               | Sulphur dioxide (7446-09-5)                      |
| 5 - 10                | Hydroquinone (123-31-9)                          |
| 5 - 10                | Diethylene glycol (111-46-6)                     |
| 5 - 10                | Ethanolamine (141-43-5)                          |
| 1 - 5                 | Diethylenetriaminepentaacetic acid (67-43-6)     |
| 1 - < 5               | Potassium bromide (7758-02-3)                    |
| 0.1 - < 1             | 1,2-Benzenediol (120-80-9)                       |
| 0.1 - < 1             | Ethylene glycol (107-21-1)                       |
| 0.1 - < 1             | 3-Pyrazolidinone, 4-methyl-1-phenyl- (2654-57-1) |

## 4. First aid measures

**Inhalation:** If inhaled, remove to fresh air. Get medical attention.

**Eyes:** Immediately flush the contaminated eye(s) with water for at least 60 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. Contact a physician or poison control center immediately. Continue flushing the eye(s) until the physician advises to stop. If necessary, continue flushing during transport to an emergency care facility.

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control centre immediately. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** If swallowed, DO NOT induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person.

## 5. Firefighting measures

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

**Hazardous Combustion Products:** Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, (see also Hazardous Decomposition Products sections.)

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

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## 6. Accidental release measures

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

## 7. Handling and storage

**Personal precautions:** Do not breathe mist or vapour at concentrations greater than the exposure limits. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. 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.

**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   |
|-----------------|-----------------|---------------------------|---|
| Diethanolamine  | ACGIH           | time weighted average     | 1 mg/m <sup>3</sup>   |
|                 |                 |                           | <i>Form of exposure: inhalable fraction and vapor</i>                                       |
|                 |                 |                           | <i>Skin - potential significant contribution to overall exposure by the cutaneous route</i> |
| Sulphur dioxide |                 | Short term exposure limit | 0.25 ppm  |
|                 | OSHA            | time weighted average     | 5 ppm   |
| Hydroquinone    | ACGIH           | time weighted average     | 1 mg/m <sup>3</sup>   |
|                 | OSHA            | time weighted average     | 2 mg/m <sup>3</sup>   |
| Ethanolamine    | ACGIH           | time weighted average     | 3 ppm   |
|                 |                 | Short term exposure limit | 6 ppm   |
|                 | OSHA            | time weighted average     | 3 ppm   |
| 1,2-Benzenediol | ACGIH           | time weighted average     | 6 mg/m <sup>3</sup>   |
|                 |                 |                           | 5 ppm   |
|                 |                 |                           | <i>Skin - potential significant contribution to overall exposure by the cutaneous route</i> |

**Ventilation:** Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: organic vapour/P95. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

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

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

## 9. Physical and chemical properties

**Physical form:** liquid

**Colour:** yellow

**Odour:** amine

**Specific gravity:** 1.24

**Vapour pressure:** 18 mbar (13.5 mm Hg)

**Vapour density:** 0.6

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

**Water solubility:** complete

**pH:** 9.0

**Flash point:** 93.33 °C (200.0 °F) (estimated)

## 10. Stability and reactivity

**Stability:** Stable under normal conditions.

**Incompatibility:** Strong oxidizing agents.

**Hazardous decomposition products:** Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

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

## 11. Toxicological information

### Effects of Exposure

### General advice:

Contains: Diethanolamine. Based on animal data, may cause adverse effects on the following

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organs/systems: kidney, liver, blood, nervous system, testes.

Contains: Hydroquinone. There is insufficient evidence for classifying hydroquinone as a suspected carcinogenic or mutagenic substance in humans. No increases in cancer rates were observed in an epidemiology study which looked at mortality among more than 800 persons employed primarily in the manufacture of hydroquinone. Carcinogenicity studies in animals were inconclusive. Rats and mice were given hydroquinone by stomach tube or at high concentrations in the diet. Responses were not consistent across route of exposure, species or sex. The International Agency for Research on Cancer (IARC) has classified hydroquinone in Group 3, i.e., "not classifiable" as a carcinogen. Hydroquinone is generally negative in bacterial mutagenicity tests; there is evidence for the clastogenicity (chromosome breakage) of hydroquinone in vivo and in vitro. The relevance of chromosomal effects in test animals in predicting human risk is unclear.

Contains: Diethylene glycol. Can cause kidney damage and CNS effects following ingestion. Repeated oral exposure to high doses can cause liver damage.

Contains: Potassium bromide. Ingestion of bromide salts can cause nausea, vomiting, headache, irritability, delirium, memory loss, decreased appetite, joint pain, hallucinations, stupor, coma, and acne like rash on face, legs, and trunk.

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

Contains: 3-Pyrazolidinone, 4-methyl-1-phenyl-. May cause adverse reproductive effects such as infertility based on animal data. Based on repeated-dose ingestion studies in animals, this chemical may cause blood, testicular, and adverse reproductive effects. Health hazard evaluation based on a structurally similar material.

Contains: 1,2-Benzenediol. Can cause CNS effects. May cause blood disorders based on animal data. May cause kidney damage based on animal data. Based on animal data this material can produce methemoglobin which, in sufficient concentration, causes cyanosis, a blue-gray discoloration of the skin and lips caused by a reduced ability of the blood to carry oxygen.

**Inhalation:** Harmful if inhaled. Mist or vapour irritating. Can cause lung damage.

**Eyes:** Causes eye burns. Mist or vapour irritating.

**Skin:** Harmful if absorbed through skin. Causes skin burns. May cause allergic skin reaction based on human experience. May cause skin depigmentation. Prolonged or repeated contact may cause drying, cracking, or irritation.

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**Ingestion:** Harmful if swallowed. May cause irritation of the gastrointestinal tract. Can cause kidney damage and CNS effects following ingestion.

## Data for Diethanolamine (CAS 111-42-2):

### Acute Toxicity Data:

Oral LD50 (rat): 1,410 mg/kg

- Dermal LD50 (rabbit): 12,983.88 mg/kg
- Skin irritation: strong
- Eye irritation: Corrosive

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:

- Inhalation (, dog): NOAEL; 0.6 ppm
- Inhalation (30-day, guinea pig): NOAEL; 0.6 ppm
- Feeding study (, male rat): Lowest observable effect level; 0.01 % in diet (target organ effects: liver)
- Feeding study (30-day, male rat): Lowest observable effect level; 0.1 % in diet
- Inhalation (, male rat): NOEL; 0.6 ppm

## Data for Sulphur dioxide (CAS 7446-09-5):

### Acute Toxicity Data:

- Inhalation LC50 (rat): 2500 ppm / 1 hr
- Skin irritation: (Causes skin burns.)
- Eye irritation (Causes eye burns.):

## Data for Hydroquinone (CAS 123-31-9):

### Acute Toxicity Data:

Oral LD50 (male rat): 400 mg/kg

- Oral LD50 (male mouse): 100 - 200 mg/kg
- Dermal LD50 (guinea pig): > 1,000 mg/kg
- Dermal absorption rate: 1.1 micrograms (s) / cm<sup>2</sup> / hour
- Skin irritation: slight
- Skin Sensitization (guinea pig): positive
- Eye irritation: moderate

### Mutagenicity/Genotoxicity Data:

- Salmonella typhimurium assay (Ames test): negative (in presence and absence of activation)
- Chromosomal aberration assay: negative (in absence of activation)
- Chromosomal aberration assay: positive (in presence of activation)

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- Sister chromatid exchange (SCE) assay: positive (in presence and absence of activation)

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:

- Dermal (17-day, rat): NOEL; 3800 mg/kg/day
- Dermal (17-day): Lowest observable effect level; 4800 mg/kg/day

## Developmental Toxicity Data:

- Oral (female rabbit): NOEL for developmental toxicity; 25mg/kg/day
- Oral (female rat): NOAEL for developmental toxicity; mg/kg/day

## Data for Diethylene glycol (CAS 111-46-6):

### Acute Toxicity Data:

Oral LD50 (rat): 12,565 mg/kg

- Inhalation LC50 (rat): > 5.08 mg/l / 4 hr
- Dermal LD50 (rabbit): 11,890 mg/kg
- Skin irritation: slight to moderate
- Eye irritation: mild

### Mutagenicity/Genotoxicity Data:

- Ames test: negative (in presence and absence of activation)

## Data for Ethanolamine (CAS 141-43-5):

### Acute Toxicity Data:

Oral LD50 (rat): 400 - 800 mg/kg

- Oral LD50 (mouse): 1,600 mg/kg
- Inhalation LC0 (mouse): > 2,420 mg/l / 2 hr
- Dermal LD50 (guinea pig): 101.3 - 1,013 mg/kg
- Skin irritation: severe
- Skin Sensitization (guinea pig): positive (The results of a test on guinea pigs showed this substance to be a weak skin sensitiser.)
- Eye irritation: Corrosive

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:

- Feeding study (32 days, male rat): NOEL; 1 % in diet
- Feeding study (32 days, male rat): NOEL; 770 mg/kg/day

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## Data for Diethylenetriaminepentaacetic acid (CAS 67-43-6):

### Acute Toxicity Data:

Oral LD50 (male rat): 3,200 mg/kg

- Oral LD50 (female rat): 2,539 mg/kg
- Dermal LD50 (guinea pig): > 1 g/kg
- Skin irritation: slight
- Skin irritation: severe (repeated skin application)
- Skin Sensitization (guinea pig): negative
- Eye irritation (washed eyes): slight
- Eye irritation (unwashed eyes): moderate

## Data for Potassium bromide (CAS 7758-02-3):

### Acute Toxicity Data:

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

- Skin irritation: none

## Data for Ethylene glycol (CAS 107-21-1):

### Acute Toxicity Data:

Oral LD50 (mouse): 14,600 mg/kg

- Oral LD50 (rat): 4,000 mg/kg
- Oral LDLo (Humans): 1,600 mg/kg
- Inhalation (rat): 2.5 mg/l / 6 hr
- Dermal LD50 (rabbit): 10,626 mg/kg
- Dermal LD50 (mouse): 3,500 mg/kg
- Skin irritation: No skin irritation
- Skin Sensitization (human): none
- Eye irritation: No eye irritation

## Data for 3-Pyrazolidinone, 4-methyl-1-phenyl- (CAS 2654-57-1):

### Acute Toxicity Data:

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

- Dermal LD50 (guinea pig):
- Skin Sensitization (guinea pig): negative
- Skin Sensitization (human): positive

## Data for 1,2-Benzenediol (CAS 120-80-9):

### Acute Toxicity Data:

Oral LD50 (mouse): 100 - 200 mg/kg

- Oral LD50 (rat): 260 mg/kg



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- Dermal LD50 (rabbit): 800 mg/kg
- Skin irritation: strong
- Skin Sensitization (guinea pig): positive
- Eye irritation: strong

## 12. Ecological information

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

### Potential Toxicity:

Toxicity to fish (LC50): < 1 mg/l

Toxicity to daphnia (EC50): < 1 mg/l

**Persistence and degradability:** Readily biodegradable.

## 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

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

**IATA:** UN number: UN3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)  
Class: 9  
Packaging group: III  
Marine Pollutant status: Marine pollutant  
Marine Pollutant(s): hydroquinone

**IMDG:** UN number: UN3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)  
Class: 9  
Packaging group: III  
Marine Pollutant status: Marine pollutant

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|                |                          |   |
|----------------|--------------------------|---|
|                | Marine Pollutant(s):     | hydroquinone  |
| <b>TDG:</b>    | UN number:               | UN3082  |
|                | Proper shipping name:    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (hydroquinone) |
|                | Class:                   | 9   |
|                | Packaging group:         | III   |
|                | Marine Pollutant status: | Marine pollutant  |
|                | Marine Pollutant(s):     | hydroquinone  |
| <b>US DOT:</b> | UN number:               | UN3082  |
|                | Proper shipping name:    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (hydroquinone) |
|                | Class:                   | 9   |
|                | Packaging group:         | III   |
|                | Marine Pollutant status: | Marine pollutant  |
|                | Marine Pollutant(s):     | hydroquinone  |

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            | 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          |
| TSCA 12(b)      | Listed              |

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"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.

**WHMIS (Canada):** D2A, D2B, E (skin)

**WHMIS Symbol(s):**



**Other regulations**

American Conference of Governmental Industrial Hygienists (ACGIH):

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans: Diethanolamine , Hydroquinone , 1,2-Benzenediol

International Agency for Research on Cancer (IARC):

Group 2B - Possibly Carcinogenic to Humans: Diethanolamine , 1,2-Benzenediol

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):

OSHA Carcinogen or Potential Carcinogen: Diethanolamine , 1,2-Benzenediol

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

U.S. - CERCLA/SARA (40 CFR § 302.4 Designation of hazardous substances):

Diethanolamine , Hydroquinone , 1,2-Benzenediol

U.S. - CERCLA/SARA - Section 302 (40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities):

Sulphur dioxide , Hydroquinone

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|   |  |
|---|--|
| U.S. - CERCLA/SARA - Section 313 (40 CFR § 372.65 Toxic Chemical Release Reporting):  | Diethanolamine , Hydroquinone , 1,2-Benzenediol  |
| U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances:  | Diethanolamine , Sulphur dioxide , Hydroquinone , Ethanolamine   |
| 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): | Diethanolamine , Sulphur dioxide , Hydroquinone , Ethanolamine   |
| U.S. - Minnesota Employee Right-to-Know (5206.0400, Subpart 5. List of Hazardous Substances):   | Diethanolamine , Sulphur dioxide , Hydroquinone , Diethylene glycol , Ethanolamine   |
| U.S. - New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1):  | Diethanolamine , Sulphur dioxide , Hydroquinone , Ethanolamine   |
| U.S. - Pennsylvania - Part XIII. Worker and Community Right-to-Know Act (Chapter 323 Hazardous Substance List, Appendix A):             | Diethanolamine , Sulphur dioxide , Water , Hydroquinone , Diethylene glycol , Ethanolamine , Ethylene glycol , 1,2-Benzenediol |

### 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 HC-110 Developer

**CONTAINS:** Diethanolamine (111-42-2) , Sulphur dioxide (7446-09-5) , Hydroquinone (123-31-9) , Diethylene glycol (111-46-6) , Ethanolamine (141-43-5) , Diethylenetriaminepentaacetic acid (67-43-6) , Potassium bromide (7758-02-3) , 3-Pyrazolidinone, 4-methyl-1-phenyl- (2654-57-1) , 1,2-Benzenediol (120-80-9).

**DANGER! HARMFUL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED. MIST OR VAPOR IRRITATING TO EYES AND RESPIRATORY TRACT. CAUSES SKIN AND EYE BURNS. MAY CAUSE ALLERGIC SKIN REACTION. CAN CAUSE LUNG DAMAGE. CAN CAUSE KIDNEY DAMAGE AND CNS EFFECTS FOLLOWING INGESTION. MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA. MAY CAUSE BLOOD DISORDERS BASED ON ANIMAL DATA.**

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Do not breathe mist or vapour at concentrations greater than the exposure limits. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling. **FIRST AID:** If inhaled, remove to fresh air. Get medical attention. Immediately flush the contaminated eye(s) with water for at least 60 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. Contact a physician or poison control center immediately. Continue flushing the eye(s) until the physician advises to stop. If necessary, continue flushing during transport to an emergency care facility. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control centre immediately. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes. If swallowed, DO NOT induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. 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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide. **IN CASE OF SPILL:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Additional Components Include: Water (7732-18-5) .

**WHMIS (Canada):** D2A, D2B, E (skin)

**WHMIS Symbol(s):**



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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-2, S-3, F-1, C-0