

MATERIAL SAFETY DATA SHEET

200001347/F/USA  
Approval Date: 12/10/2001  
Print Date: 02/22/2004  
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK EKTACOLOR RA Developer Replenisher RT

Catalog Number(s):       847 7184 - To Make 25 gallons (U.S.)  
                          837 2534 - To Make 75 gallons (U.S.) - Part A  
                          103 9874 - To Make 75 gallons (U.S.) - Part B  
                          800 6215 - To Make 75 gallons (U.S.) - Part C

Manufacturer/Supplier: EASTMAN KODAK COMPANY, Rochester, New York 14650

For Emergency Health, Safety & Environmental Information, call (585) 722-5151

For other information or to request an MSDS, call (800) 242-2424.

Synonym(s):    Part A: CIN 10087218; PCD 6076; P-0009.350  
                  Part B: CIN 10073181; PCD 6157  
                  Part C: CIN 10087369; PCD 6087  
                  Working solution: PCD 6076; PCD 6157; PCD 6087

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

Part A:

60-65       Water (007732-18-5)  
20-25       Triethanolamine (000102-71-6)  
10-15       N,N-diethylhydroxylamine (003710-84-7)  
1-5         Substituted stilbene (082640-05-9)  
< 1         Lithium polystyrenesulfonate (009016-91-5)

Part B:

70-75       Water (007732-18-5)  
15-20       4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine  
              sesquisulfate monohydrate (025646-71-3)  
5-10        Lithium sulfate (010377-48-7)  
< 1         Potassium sulfite (010117-38-1)

Part C:

60-65       Water (007732-18-5)  
30-35       Potassium carbonate (000584-08-7)  
1-3         Potassium hydroxide (001310-58-3)  
1-5         Potassium chloride (007447-40-7)  
< 1         Substituted phosphonate (002809-21-4)

Working solution:

90-95       Water (007732-18-5)  
1-5         Potassium carbonate (000584-08-7)  
1-5         Triethanolamine (000102-71-6)  
< 1         N,N-diethylhydroxylamine (003710-84-7)  
< 1         4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine  
              sesquisulfate monohydrate (025646-71-3)  
< 1         Potassium hydroxide (001310-58-3)

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3. HAZARDS IDENTIFICATION

Part A:

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CONTAINS: Triethanolamine (000102-71-6); N,N-diethylhydroxylamine (003710-84-7)

WARNING!

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA  
MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA  
HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED  
MAY BE HARMFUL IF INHALED  
CAUSES SKIN AND EYE IRRITATION  
HEAT SENSITIVE - CAN DECOMPOSE IF HEATED  
COMBUSTIBLE LIQUID AND VAPOR

HMIS Hazard Ratings:

Health - 2 \*, Flammability - 2, Reactivity - 1, Personal Protection - D

NFPA Hazard Ratings:

Health - 2, Flammability - 2, Reactivity (Stability) - 1

Part B:

CONTAINS: 4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine sesquisulfate monohydrate (025646-71-3); Potassium sulfite (010117-38-1); Lithium sulfate (010377-48-7)

WARNING!

HARMFUL IF SWALLOWED  
MAY BE HARMFUL IF INHALED  
MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA  
MAY LIBERATE SULFUR DIOXIDE  
VAPOR IRRITATING TO THE EYES AND RESPIRATORY TRACT  
CAUSES SKIN AND EYE IRRITATION  
MAY CAUSE ALLERGIC SKIN REACTION  
THE TOXICOLOGICAL PROPERTIES OF A COMPONENT OF THIS MIXTURE HAVE NOT BEEN FULLY INVESTIGATED

HMIS Hazard Ratings:

Health - 2 \*, Flammability - 1, Reactivity - 0, Personal Protection - G

NFPA Hazard Ratings:

Health - 2, Flammability - 1, Reactivity (Stability) - 0

Part C:

CONTAINS: Potassium carbonate (000584-08-7), Potassium hydroxide (001310-58-3)

DANGER!

CAUSES SEVERE EYE BURNS  
HARMFUL IF SWALLOWED  
MIST EXTREMELY IRRITATING TO EYES AND RESPIRATORY TRACT

HMIS Hazard Ratings:

Health - 3 , Flammability - 0, Reactivity - 0, Personal Protection - B

NFPA Hazard Ratings:

Health - 2, Flammability - 0, Reactivity (Stability) - 0

Working solution:

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CONTAINS: 4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine  
sesquisulfate monohydrate (025646-71-3); Triethanolamine (000102-71-6);  
Potassium hydroxide (001310-58-3)

WARNING!

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA  
MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA  
HARMFUL IF SWALLOWED  
CAUSES SKIN AND EYE IRRITATION  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN  
MAY BE HARMFUL IF INHALED  
MAY CAUSE ALLERGIC SKIN REACTION

HMIS Hazard Ratings:

Health - 2 \*, Flammability - 0, Reactivity - 0, Personal Protection - C

NFPA Hazard Ratings:

Health - 0, Flammability - 0, Reactivity (Stability) - 0

NOTE: HMIS and NFPA 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. The personal protection index is only intended for general guidance on personal protection equipment (PPE) that is suitable for the potential hazards of the material. PPE (e.g., respirators) may not be needed if engineering controls (e.g., local ventilation) are adequate. An asterisk (\*), in the HMIS health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

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4. FIRST-AID MEASURES

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes:

Part A & Part B: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Part C: Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Working solution: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Note to Physicians: Strong alkalis bind tissue protein. Following initial flushing of the eye with water, continued irrigation of the eye with saline is recommended. Treatment should be continued until pH of tears reaches neutral.

Skin:

Part A & B: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

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Part C: Wash with soap and water. Get medical attention if symptoms occur.

Working solution: Immediately flush with plenty of water and wash with a non-alkaline (acid) type of skin cleaner. If skin irritation or an allergic skin reaction develops, get medical attention. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion:

Part A, Part B & Working solution: Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Part C: Do NOT induce vomiting. Give victim a glass of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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5. FIRE FIGHTING MEASURES

Extinguishing Media:

Part A & Part B: Water spray, carbon dioxide (CO2), dry chemical, alcohol foam

Part C & Working solution: Use appropriate agent for adjacent fire.

Special Fire-Fighting Procedures:

Part A: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products. Use water spray to keep fire-exposed containers cool.

Part B: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Part C & Working solution: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products:

Part A: Carbon dioxide, carbon monoxide, oxides of nitrogen

Part B: Carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur

Part C & Working solution: None (noncombustible)

Unusual Fire and Explosion Hazards:

Part A: Classified as combustible. Elevated temperature can cause decomposition.

Part B, Part C & Working solution: None

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6. ACCIDENTAL RELEASE MEASURES

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Part A: Eliminate all ignition sources. Flush to sewer with large amounts of water. Otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

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

Working solution: Flush to sewer with large amounts of water. Otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

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7. HANDLING AND STORAGE

Personal Precautionary Measures:

Part A: Avoid prolonged or repeated breathing of mist or vapor. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Part B: Avoid breathing mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wash thoroughly after handling.

Part C: Do not breathe mist. Do not get in eyes. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Wash thoroughly after handling.

Working solution: Avoid prolonged or repeated breathing of mist or vapor. Avoid contact with eyes, skin, and clothing. The routine use of a nonalkaline (acid) type of hand cleaner and regular cleaning of working surfaces, gloves, etc. will help minimize the possibility of a skin reaction. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion:

Part A: Keep from contact with oxidizing materials. Keep away from heat and flame. Use with adequate ventilation.

Part B: Keep from contact with oxidizing materials.

Part C & Working solution: No special precautionary measures should be needed under anticipated conditions of use.

Storage:

Part A: Keep container closed. Store in a cool place.

Part B & Part C: Keep container closed. Keep away from incompatible substances (see Incompatibility section).

Working solution: Keep container closed.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

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Part B: Sulfur dioxide gas may be liberated from the product.

ACGIH Threshold Limit Value (TLV):

Potassium hydroxide : 2 mg/m3 Ceiling  
Triethanolamine : 5 mg/m3 TWA  
Sulfur dioxide : 2 ppm TWA, 5 ppm STEL

Eastman Kodak Company industrial hygiene guideline:

4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine  
sesquisulfate monohydrate : 1 mg/m3

OSHA (USA) Permissible Exposure Limit (PEL - 1971 Table Z-1 Values):

Sulfur dioxide: 5 ppm TWA; 13 mg/m3 TWA

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

Respiratory Protection:

Part A & Working solution: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Part B: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Acid gas. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Part C: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: N95 Particulate Filter. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye Protection:

Part A, Part B & Working solution: Wear safety glasses with side shields (or goggles).

Part C: Wear safety glasses with side shields (or goggles) and a face shield.

Skin Protection: Wear impervious gloves and protective clothing appropriate for the risk of exposure.

Recommended Decontamination Facilities: Eye bath, safety shower, washing facilities

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9. PHYSICAL AND CHEMICAL PROPERTIES

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	Part A	Part B	Part C	Working solution
Physical Form:	liquid	liquid	liquid	liquid
Color:	yellow	tan	colorless	light yellow
Odor:	strong amine	sharp sulfur dioxide	odorless	strong amine
Specific Gravity (water = 1):	1.053	1.104	1.38	1.03
Vapor Pressure at 20°C (68°F):	24 mbar (18 mm Hg)	24 mbar (18 mm Hg)	24 mbar (18 mm Hg)	24 mbar (18 mm Hg)
Vapor Density (Air = 1):	0.6	0.6	0.6	0.6
Volatile Fraction by Weight:	60-65%	80-85%	60-65%	90-95%
Boiling Point:	>100°C (>212°F)	>100°C (>212°F)	>100°C (>212°F)	>100°C (>212°F)
Solubility in Water:	complete	complete	complete	complete
pH:	10.8	1.4	> 14.0	10.7 - 10.8
Flash Point:	62.4°C (144°F) Setaflash closed cup	none	none, noncombustible liquid	none, noncombustible liquid

10. STABILITY AND REACTIVITY

Stability:

Part A: Stable. Safe handling temperatures are dependent on specific conditions of use and are typically substantially below the onset temperature. Consult your technical safety experts. Exotherm onset temperature: 169°C by DSC

Part B, Part C & Working solution: Stable

Incompatibility:

Part A: Strong oxidizing agents

Part B: Bases, strong oxidizing agents

Part C: Acids

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

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Hazardous Polymerization: Will not occur.

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11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

General:

Part A & Working solution:

Contains: triethanolamine. Based on animal data, may cause adverse effects on the following organs/systems: kidney, liver.

Part B:

Contains:

4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine sesquisulfate monohydrate. May cause kidney damage based on animal data.

Contains Lithium sulfate. The toxicological properties of this material have not been fully investigated and its handling and use may present additional hazards. This material is pharmacologically active. Can cause adverse effects on the following organs/systems: nervous system, kidney, cardiovascular system, gastrointestinal tract, endocrine system, blood.

Inhalation:

Part A & Working solution: May be harmful if inhaled.

Part B: May be harmful if inhaled. Liberates sulfur dioxide gas which can cause irritation to the respiratory tract. Some asthmatics or hypersensitive individuals may experience difficult breathing.

Part C: Mist extremely irritating.

Eyes:

Part A & Working solution: Causes irritation.

Part B: Causes irritation. Vapor irritating.

Part C: Causes severe burns.

Skin:

Part A: Causes irritation. Harmful if absorbed through skin.

Part B: Causes irritation. May cause allergic skin reaction.

Part C: Expected to be a low hazard for recommended handling.

Working solution: Causes irritation. May cause allergic skin reaction. May be harmful if absorbed through skin.

Ingestion:

Part A: Harmful if swallowed. May cause irritation of the gastrointestinal

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tract.

Part B: Harmful if swallowed. May cause irritation of the gastrointestinal tract. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Part C: Harmful if swallowed. May cause burns of the gastrointestinal tract if swallowed.

Working solution: Harmful if swallowed.

Acute Toxicity Data for Part C:

Skin irritation (rabbit): none  
Eye irritation (rabbit): severe

Data for 4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine sesquisulfate monohydrate

Acute Toxicity Data:

Oral LD-50 (male rat): 400 mg/kg (target organ effects: kidney)  
Oral LD-50 (female rat): 246 mg/kg  
Dermal LD-50: > 1000 mg/kg (highest dose tested)  
Skin irritation: slight  
Repeated skin application: moderate irritation  
Skin sensitization: moderate  
Skin sensitization (human): positive  
Eye irritation (unwashed eyes): moderate  
Eye irritation (washed eyes): slight

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.

Carcinogenicity Data:

Oral study (2 years, hamster): NOEL = 0.04 % in diet (highest dose tested)  
Dermal study (2 years, mouse): NOEL = 62 mg/kg (only dose tested)

12. ECOLOGICAL INFORMATION

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

	Part A	Part B	Part C	Working Solution
Potential Toxicity				
Fish LC50 mg/l:	>100	1-10	>100	>100
Daphnid EC50 mg/l:	>100	10-100	>100	>100
Algal IC50 mg/l:	>100	10-100	>100	>100

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Organics Readily Degradable (>70%):	Yes (7 days)	Yes (7 days)	No	Yes (14 days)
Potential Bioaccumulation:	Log Pow <1	Log Pow <1	Log Pow <1	Log Pow <1
COD (approximate g/l):	691	186	2	40
BOD5 (approximate g/l):	373	22	0	19
Potential Toxicity Waste treatment microorganisms EC50 (mg/l):	>100	>100	>100	>100

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13. DISPOSAL CONSIDERATIONS

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

Part A & Working solution: Consult state or local regulatory authorities before flushing to sewer with large amounts of water.

Part B & Part C: Contract with a licensed chemical disposal agency.

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14. TRANSPORT INFORMATION

For transportation information regarding this product call the Kodak Worldwide Transportation Hazmat Hot Line: (585) 722-2400 between 8 a.m. and 5 p.m. (Eastern Standard Time), Monday through Friday.

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15. REGULATORY INFORMATION

Material(s) known to the State of California to cause cancer: None  
Material(s) known to the State of California to cause adverse reproductive effects: None

Carcinogenicity Classification (components present at 0.1% or more):  
International Agency for Research on Cancer (IARC): None  
American Conference of Governmental Industrial Hygienists (ACGIH): None  
National Toxicology Program (NTP): None  
Occupational Safety and Health Administration (OSHA): None

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None

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16. OTHER INFORMATION

US/Canadian Label Statements:

Part A

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CONTAINS: Triethanolamine (000102-71-6); N,N-diethylhydroxylamine (003710-84-7)

WARNING!

MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA  
MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA  
HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED  
MAY BE HARMFUL IF INHALED  
CAUSES SKIN AND EYE IRRITATION  
HEAT SENSITIVE - CAN DECOMPOSE IF HEATED  
COMBUSTIBLE LIQUID AND VAPOR

Avoid prolonged or repeated breathing of mist or vapor.  
Avoid contact with eyes, skin, and clothing.  
Keep away from heat and flame.  
Keep container closed.  
Store in a cool place.  
Use with adequate ventilation.  
Wash thoroughly after handling.

FIRST AID: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. If inhaled, move to fresh air. Treat symptomatically. In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

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

Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

IN CASE OF FIRE: Use water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol foam. Use water spray to keep fire-exposed containers cool.

IN CASE OF SPILL: Eliminate all ignition sources.

Part B:

CONTAINS:

4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine  
sesquisulfate monohydrate (025646-71-3); Potassium sulfite (010117-38-1);  
Lithium sulfate (010377-48-7)

WARNING!

HARMFUL IF SWALLOWED  
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MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA  
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VAPOR IRRITATING TO THE EYES AND RESPIRATORY TRACT  
CAUSES SKIN AND EYE IRRITATION

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MAY CAUSE ALLERGIC SKIN REACTION  
THE TOXICOLOGICAL PROPERTIES OF A COMPONENT OF THIS MIXTURE HAVE NOT BEEN FULLY INVESTIGATED

Avoid breathing mist or vapor.  
Do not get in eyes, on skin, on clothing.  
Keep container closed.  
Use with adequate ventilation.  
Wash thoroughly after handling.

FIRST AID: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. If inhaled, move to fresh air. Treat symptomatically. In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Keep out of reach of children

For additional information, see Material Safety Data Sheet (MSDS) for this material.

Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

IN CASE OF FIRE: Use water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol foam.

IN CASE OF SPILL: Absorb spill with inert material, then place in a chemical waste container. Flush residual spill or area with water. For large spills, dike for later disposal. Prevent runoff from entering drains, sewers, and streams.

Part C:

CONTAINS: Potassium carbonate (000584-08-7), Potassium hydroxide (001310-58-3)

DANGER!  
CAUSES SEVERE EYE BURNS  
HARMFUL IF SWALLOWED  
MIST EXTREMELY IRRITATING TO EYES AND RESPIRATORY TRACT

Do not breathe mist.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Wash thoroughly after handling.  
Use with adequate ventilation.

FIRST AID: If swallowed, do NOT induce vomiting. Give victim a glass of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. If inhaled, move to fresh air. Treat symptomatically. Get medical attention if symptoms persist. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. Wash contaminated

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clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Note to Physicians: Strong alkalis bind tissue protein. Following initial flushing of the eye with water, continued irrigation of the eye with saline is recommended. Treatment should be continued until pH of tears reaches neutral.

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

Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Working solution:

CONTAINS:

4-(N-ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine sesquisulfate monohydrate (025646-71-3); Triethanolamine (000102-71-6); Potassium hydroxide (001310-58-3)

WARNING!

HARMFUL IF SWALLOWED

MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA

CAUSES SKIN AND EYE IRRITATION

MAY BE HARMFUL IF INHALED

MAY BE HARMFUL IF ABSORBED THROUGH SKIN

MAY CAUSE ALLERGIC SKIN REACTION

Avoid prolonged or repeated breathing of mist or vapor.

Avoid contact with eyes, skin, and clothing.

Wash thoroughly after handling.

Use with adequate ventilation.

FIRST AID: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. If inhaled, move to fresh air. Treat symptomatically. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. In case of skin contact, immediately wash with soap and plenty of water. Get medical attention if symptoms occur. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Keep out of reach of children

For additional information, see Material Safety Data Sheet (MSDS) for this material.

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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

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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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A:R-1, S-2, F-2, C-1HT

B:R-2, S-3, F-1, C-0

C:R-1, S-3, F-0, C-0

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