

Material Safety Data Sheet

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK Assembly Cement HE-100X

Catalog Number(s): 131 2057 - To Make 25 gram(s)
196 6977 - To Make 100 gram(s)
802 8748 - To Make 1 pound(s) (U.S.)

Supplier: Carestream Health, Inc., 150 Verona Street, Rochester, New York, 14608

For Emergency Health Information call, (800) 424-9300

For other information contact 800-328-2910.

Synonym(s): CIN 10057768, KAN 440781, W-0010.035

Molecular Formula: Mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

59	Xylene (001330-20-7)
40-45	Elvacite 2044 (not available)

3. HAZARDS IDENTIFICATION

CONTAINS: Xylene (001330-20-7)

WARNING!

FLAMMABLE LIQUID AND VAPOR

HARMFUL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED

CAUSES SKIN AND EYE IRRITATION

CAN CAUSE CNS EFFECTS

CAN CAUSE KIDNEY DAMAGE

CAN CAUSE LIVER DAMAGE

HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS

CAN CAUSE BLOOD DISORDERS

CAN CAUSE CARDIAC EFFECTS

VAPOR IRRITATING TO THE EYES AND RESPIRATORY TRACT

NOTICE! DELIBERATE CONCENTRATION AND INHALATION OF VAPORS MAY BE HARMFUL OR FATAL

HMIS Hazard Ratings:

Health - 2 *, Flammability - 3, Reactivity - 0, Personal Protection - B

NFPA Hazard Ratings:

Health - 2, Flammability - 3, 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

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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.

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin: Immediately flush 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 reuse. Destroy or thoroughly clean contaminated shoes.

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

Note to Physicians: Overexposure may sensitize the myocardium to epinephrine and/or increase myocardial irritability. Unless the benefits of epinephrine administration outweigh the potential serious side effects, the use of epinephrine may be contraindicated. If administration of epinephrine is necessary, electrocardiographic monitoring during and after administration is recommended.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical, foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. USE WATER WITH CAUTION. Since this material is lighter than water and relatively insoluble, the fire could easily be spread by the use of water in an area where the water could not be contained.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Unusual Fire and Explosion Hazards: Flammable. Material contains a flammable solvent that may accumulate in the container headspace. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. 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 Precautionary Measures: Avoid breathing mist or vapor at

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concentrations greater than the exposure limits. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep away from heat, sparks, and flame. Keep from contact with oxidizing materials. Use with adequate ventilation. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Storage: Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Xylene: 100 ppm TWA; 150 ppm STEL

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

Xylene: 100 ppm TWA

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Respiratory Protection: 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.

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

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: Not available
Odor: Not available
Specific Gravity (water = 1): Not available
Vapor Pressure: Not available
Vapor Density (Air = 1): Not available
Volatile Fraction by Weight: 60 %
Boiling Point: Not available
Solubility in Water: Not available
pH: Not available
Flash Point (estimated): <38°C (<100°F)

10. STABILITY AND REACTIVITY

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Stability: Stable.

Incompatibility: Strong oxidizing agents

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

General:

Contains: Xylene. Deliberate concentration and inhalation of vapors may be harmful or fatal. Can cause CNS effects. Can cause cardiac effects. Can cause adverse effects on the following organs/systems: liver, kidney, blood

Inhalation: Harmful if inhaled. Vapor irritating. Exposure to high vapor concentrations may cause headache, nausea, confusion, drowsiness, convulsions and coma.

Eyes: Causes irritation. Vapor irritating.

Skin: Harmful if absorbed through skin. Causes irritation. Trace amounts of residual monomer remaining in cured (polymerized) product may cause an allergic skin reaction in individuals previously sensitized to this product or other acrylates.

Ingestion: Harmful if swallowed. If aspirated into lungs during swallowing or vomiting, it may cause pulmonary hemorrhage, edema and possible death.

12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

Incinerate. Discharge, treatment, or disposal is subject to national, state, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

14. TRANSPORT INFORMATION

For more transportation information, go to: <http://ship.carestreamhealth.com>.

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: Xylene

Carcinogenicity Classification (components present at 0.1% or more):

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International Agency for Research on Cancer (IARC): None
American Conference of Governmental Industrial Hygienists (ACGIH) (xylene):
A4; Not classifiable as a human carcinogen.
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: Xylene

16. OTHER INFORMATION

US/Canadian Label Statements:

CONTAINS: Xylene (001330-20-7)
WARNING!
FLAMMABLE LIQUID AND VAPOR
HARMFUL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED
CAUSES SKIN AND EYE IRRITATION
CAN CAUSE CNS EFFECTS
CAN CAUSE KIDNEY DAMAGE
CAN CAUSE LIVER DAMAGE
CAN CAUSE CARDIAC EFFECTS
CAN CAUSE BLOOD DISORDERS
VAPOR IRRITATING TO THE EYES AND RESPIRATORY TRACT
HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS
NOTICE! DELIBERATE CONCENTRATION AND INHALATION OF VAPORS MAY BE HARMFUL OR FATAL

Keep container tightly closed.
Keep away from heat, sparks, and flame.
Avoid breathing mist or vapor at concentrations greater than the exposure limits.
Avoid contact with eyes, skin, and clothing.
Use with adequate ventilation.
Wash thoroughly after handling.
Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.

Note to Physicians: Overexposure may sensitize the myocardium to epinephrine and/or increase myocardial irritability. Unless the benefits of epinephrine administration outweigh the potential serious side effects, the use of epinephrine may be contraindicated. If administration of epinephrine is necessary, electrocardiographic monitoring during and after administration is recommended.

Keep out of reach of children.

Do not handle or use until safety precautions in Material Safety Data Sheet

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(MSDS) have been read and understood.

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

IN CASE OF FIRE: Use water spray, carbon dioxide (CO₂), dry chemical, foam. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire.

IN CASE OF SPILL: Eliminate all ignition sources. 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. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Prevent runoff from entering drains, sewers, and streams.

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

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.

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