

XEROX**Material Safety Data Sheet****MSDS No:** D-0580**Date:** 4/20/98**Revision:** 10/19/05**Distributor:** Xerox Corporation
Rochester, NY 14644**Telephone #(s):** Safety Information: (800) 828-6571
Health Emergency: (585) 422-2177
Transportation Emergency (Chemtrec): (800) 424-9300**Section I - Product Identification****Trade Names/Synonyms:** Fan-Out Padding Adhesive**Part No.:** WH: 8R7870**Chemical Name:** None**WHMIS Status:** Class B/Div. 2, Flammable**Ingredients (% by wt.)**

	CAS No.
Water (45-65%)	7732-18-5
Isopropyl alcohol (1-5%) ^{1, 2}	67-63-0
Formaldehyde (<0.02%) ^{1, 2}	50-00-0
Acrylic polymer latex (10-25%)	Trade Secret
Sorbitol (0.1-3%)	50-70-4

Section II - Emergency and First Aid**Primary Route of Entry:**

Inhalation or skin

Eyes:

Flush thoroughly with water. Get immediate medical attention.

Skin:

Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, get medical attention.

Inhalation:

Remove from exposure. Observe for any difficulty in breathing. If breathing is difficult, get immediate medical attention.

Ingestion:

Dilute stomach contents with several glasses of water. Contact a physician.

Symptoms of Overexposure:

Central nervous system depression, respiratory distress, and gastrointestinal irritation.

Medical Conditions Generally Aggravated by Exposure:

None when used as described by product literature.

Additional Information:

Contact a physician.

Section III - Toxicology and Health Information*This material has been evaluated by Xerox Corporation.*

Oral LD₅₀:	N.D.
Dermal LD₅₀:	N.D.
Inhalation LC₅₀:	N.D.
Eye Irritation:	Moderately irritating
Skin Sensitization:	Non-sensitizing.
Skin Irritation:	Mild irritant after prolonged or repeated contact.
Human Patch:	N.D.
Mutagenicity:	No mutagenicity detected in Ames Assay.
Carcinogens:	Formaldehyde is a potential cancer hazard. Laboratory animal studies show the potential for nasal cavity cancer by inhalation (NTP anticipated human carcinogen, suspected human carcinogen A2, IARC probable human carcinogen 2A, OSHA listed carcinogen, CA Prop 65).
Aquatic LC₅₀:	N.D.

Formaldehyde

ACGIH TLV-STEL/TLV-C: 0.3 ppm

Isopropyl AlcoholTLV: 480 ppm
TLV-STEL: 500 ppm
PEL: 400 ppmXEL³: N.E.**Additional Information:** None

This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372. ² These ingredients are hazardous as defined by WHMIS. ³ XEL-Xerox Exposure Limit

N.A. - Not Applicable, N.E. - None Established, N.D. - Not Determined

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XEROX

Trade Name: Fan-Out Padding Adhesive

MSDS No.: D-0580

Section IV - Physical Data

Appearance/Odor:	Milky white emulsion/ slight alcohol odor	Viscosity:	20-50 CP
Boiling Point:	176°F	Specific Gravity (H ₂ O=1):	0.99
Solubility in Water:	Appreciable	Vapor Pressure @20°C (mm Hg):	N.D.
Evaporation Rate:	<1.00 (Toluene = 1)	pH:	4-5
Vapor Density (Air=1):	N.D.		
Volatiles:	82% (by wt.)		

Section V - Fire and Explosion Data

Flash Point (Method Used): 75°F T.C.C.
 Flammable Limits: LEL: N.D., UEL: N.D.
 NFPA 704: Health - 1, Fire - 3, Reactivity - 0
 Extinguishing Media: Carbon dioxide, alcohol type foam, dry chemical, water spray
 Special Fire Fighting Procedures: Wear full protective clothing; including helmet, self contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around the arms, waist and legs, face mask and protective covering for exposed areas of the head.
 Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

Section VI - Reactivity Data

Stability: Stable
 Hazardous Polymerization: Will Not Occur
 Hazardous Decomposition Products: Carbon oxides (CO, CO₂)
 Incompatibility (Materials to Avoid): Strong acids, strong oxidizing agents

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended. Use sufficient ventilation to maintain emissions below recommended exposure limits.
 Eye Protection: None required when used as intended. Avoid eye contact.
 Protective Gloves: None required when used as intended. Avoid skin contact.
 Other: An odor is associated with the use of this product and it is recommended that it be used in a ventilated area.

Section VIII - Special Precautions

Handling and Storage: Do not store near heat, flame, sparks or other ignition sources, or acids. Keep away from aluminum and zinc. Store in a cool, well ventilated place. Keep out of reach of children.
 Conditions to Avoid: Avoid heat, sparks, and open flames. Avoid breathing vapors of this product. Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water.

Section IX - Spill, Leak, and Disposal Procedures

For Spills or Leakage: Extinguish all ignition sources. Ventilate area. Contain spill. Cover with absorbent material. Cover spill area with Section V media type. Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container. Seal the container.
 Waste Disposal Method: U.S. EPA Hazardous Waste Number: D001 (ignitable). Dispose of in accordance with appropriate federal, state, and local regulations. Recommended disposal: Incinerate in a permitted hazardous waste incinerator.

Section X - Transportation Information

	Proper Shipping name	Hazard Class	ID#	Packing Group	Exceptions may apply
D.O.T.	Adhesive	3	UN 1133	III	Reclassification 49 CFR 173.130 (f)(1) & (3) Limited Quantity: 49 CFR Section 173.130 (b) Consumer Commodity (ORM-D): 49 CFR Section 173.133 (a)
I.A.T.A.	Adhesive	3	UN 1133	III	Yes
I.M.O.	Adhesive	3	UN 1133	III	Yes