Section I - Product Identification

Trade Names/Synonyms: Superbonder (R) 496 Instant Adhesive

Chemical Name: Cyanoacrylate Ester

WHMIS Status: Class B/Div. 3 ,Combustible and Class D/Div. 2A &B, Toxic

Ingredients (% by wt.)
- Methyl cyanoacrylate (90-95%)
- Poly (methyl methacrylate (>5%)
- Hydroquinone (<0.1%)

CAS No.
- 137-05-3
- 9011-14-7
- 123-31-9

Section II - Emergency and First Aid

Primary Route of Entry: None known.

Eyes:
If eye lids are stuck together or bonded to eyeball flush thoroughly with warm water and apply a gauze patch. The eye will open without further action in 1-4 days. Do not try to open by manipulation.

Skin:
Immerse bonded surfaces in warm, soapy water. Peel or roll apart with blunt edge. Remove adhesive with soap and water. Do not try to pull surfaces apart with direct opposing action.

Inhalation:
Remove from exposure.

Ingestion:
It is almost impossible to swallow the adhesive. Saliva will lift the adhesive in 1/2 to 2 days. In case a lump forms in mouth, position patient to prevent ingestion of lump when it detaches.

Section III - Toxicology and Health Information

This material has been evaluated by Loctite Corporation.

Oral LD50: >5000 mg/kg, practically non-toxic.
Dermal LD50: >2000 mg/kg, practically non-toxic.
Inhalation LC50: N.D.
Eye Irritation: Irritant
Skin Sensitization: Bonds skin rapidly and strongly.
Skin irritation: Irritant.
Human Patch: May cause burns.
Mutagenicity: Hydroquinone
Carcinogens: Pure poly (methyl methacrylate) has been shown to cause tumors in animals when implanted beneath skin.

TLV: 2 ppm (methyl cyanoacrylate)
PEL: 2 mg/m³ (hydroquinone)
STEL: N.E.
Ceiling: N.E.
XEL\(^1\): N.E.

Additional Information:
Hydroquinone: target organs - blood, bone marrow, central nervous system.

\(^1\)XEL-Xerox Exposure Limit
N.A. - Not Applicable  N.E. -None Established  N.D. -Not Determined 600E65680
Section IV - Physical Data

Appearance/Odor: Clear liquid / sharp irritating odor
Boiling Point: >300°F
Softening Range: N.D.
Solubility in Water: Polymerized by water
Melting Point: N.D.
Evaporation Rate: N.D.
Specific Gravity (H₂O=1): 1.09 at 75°F
Vapor Density (Air=1): ~3
Vapor Pressure (mm Hg): <0.2mm Hg at 75°F
Volatile: N.D. % (Wt.) N.D. % (Vol.)
VOC: 92.6% 1009.34g/l

Section V - Fire and Explosion Data

Flash Point (Method Used): 150-200°F T.C.C.
Flammable Limits: LEL: N.D., UEL: N.D.
NFPA 704: N.D.
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: None
Fire and Explosion Hazards: None

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Irritating organic fragments (thermal); none (non-thermal).
Incompatibility (Materials to Avoid): Polymerized by water, alcohols, amines, alkalies.

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended in Xerox equipment. See other.
Eye Protection: Safety glasses with side shields or goggles mandatory.
Protective Gloves: Polyethylene gloves recommended. Do not use cotton gloves.
Other: Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.

Section VIII - Special Precautions

Handling and Storage: Store below 75°F to maximize shelf life.
Conditions to Avoid: Avoid contact with skin or eyes. Avoid breathing vapors.

Section IX - Spill, Leak, and Disposal Procedures

For Spills or Leakage: Flood area with water to polymerize. Soak up with an inert absorbent.
Waste Disposal Method: Polymerize with water and soak up with inert material. Dispose of in accordance with federal, state and local regulations.

Section X - Transportation Information

<table>
<thead>
<tr>
<th>Proper Shipping name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>UN ID#</th>
<th>Exceptions</th>
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<tr>
<td>Adhesives</td>
<td>Combustible</td>
<td>III</td>
<td>UN1133</td>
<td>49 CFR 173.150 (h) Consumer Commodity ORM-D</td>
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