1. Identification
Product Identifier: **Flex-Flash™ Spray Adhesive – #79 Hi-Performance Spray Adhesive**
Manufacturer: Hohmann & Barnard, Inc.
30 Rasons Court
Hauppauge, NY 11788
(631) 234-0600
www.h-b.com

2. Hazards Identification

**POTENTIAL HEALTH EFFECTS:**

**Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation

**Eyes:** Irritation

**Ingestion:** Possible chemical pneumonitis is aspirated into lungs.

**Carcinogenicity:** Listed with NTP, ARC Monograph, OSHA as a potential carcinogen

**Chronic Effects:** Excessive inhalation of hexane may cause nerve damage.

**GHS Ratings:**

- **Flammable Aerosol:** 1
- **Self-reactive Substance:** C,D
- **Oral Toxicity:** Acute 4
- **Dermal Toxicity:** Acute 4
- **Eye Irritation:** 2
- **Inhalation Toxicity:** 3
- **Respiratory Tract Irritation:** 3
- **Narcotic Effects:** 3
- **Repeated Exposure:** 2

**GHS Hazards:**

- **H222** Extremely flammable aerosol
- **H241** Heating may cause a fire or explosion
- **H302** Harmful if swallowed
- **H312** Harmful in contact with skin
- **H319** Causes serious eye irritation
- **H330** Toxic if inhaled
- **H335** May cause respiratory irritation
- **H360** May cause drowsiness or dizziness
- **H373** Causes damage to organs through prolonged or repeated exposure

**GHS Precautions:**

- **P210** Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- **P211** Do not spray on an open flame or other ignition source.
- **P220** Keep/Store away from clothing/.../combustible materials.
- **P234** Keep only in original container.
- **P251** Pressurized container: Do not pierce or burn, even after use.
- **P260** Do not breathe dust/fume/gas/mist/vapours/spray.
- **P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **P264** Wash hands thoroughly after handling.
- **P270** Do not eat, drink or smoke when using this product.
- **P271** Use only outdoors or in a well-ventilated area.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P311** Call a POISON CENTER or doctor/physician.
- **P312** Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see section 4).
P322 Specific measures (see section 7).
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P337+P313 IF eye irritation persists: Get medical advice/attention.
P370+P378 In case of fi re: Use foam, dry chemical, carbon dioxide, or water for extinction.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P380+P375 In case of fi re: Evacuate area. Fight fi re remotely due to the risk of explosion.
P405 Store locked up.
P411 Store at temperatures not exceeding 130ºF
P420 Store away from other materials.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 122 °F/50 °C.
P501 Dispose of contents/container to federal regulations.

Signal Word: Danger

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name (Hazardous Components 1% or greater)</th>
<th>Cas Number/111 list</th>
<th>SARA</th>
<th>OSHA PEL (ppm)</th>
<th>ACGIH TLV (ppm)</th>
<th>Carcinogen Ref. Source*</th>
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<tbody>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>NO</td>
<td>1000</td>
<td>750</td>
<td>D*</td>
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<tr>
<td>HEXANE</td>
<td>110-54-3</td>
<td>YES</td>
<td>50</td>
<td>50</td>
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<tr>
<td>ISOBUTANE/PROPANE BLEND</td>
<td>75-28-5</td>
<td>NO</td>
<td>800</td>
<td>800</td>
<td>D*</td>
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<tr>
<td></td>
<td>74-98-6</td>
<td>NO</td>
<td>1000</td>
<td>1000</td>
<td>D*</td>
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</table>

Hazardous Material Information System (HMIS) National Fire Protection Association (NFPA)

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>0</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS &amp; NFPA Hazard Rating Legend</th>
</tr>
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<tbody>
<tr>
<td>* = CHRONIC HEALTH HAZARD</td>
</tr>
<tr>
<td>0 = INSIGNIFICANT</td>
</tr>
<tr>
<td>1 = SLIGHT</td>
</tr>
<tr>
<td>2 = MODERATE</td>
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<tr>
<td>3 = HIGH</td>
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</tbody>
</table>
4. First-Aid Measures
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.
Skin contact: Wash with soap and water. If irritated, seek medical attention.
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.
Ingestion: Do not induce vomiting. Drink two large glasses of water. Get immediate medical attention.

5. Fire-fighting measures
FLASH POINT: N/A
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water.
HAZARDOUS COMBUSTION PRODUCTS: No data found
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Use water fog to cool containers to prevent rupturing & exploding containers. Provide shielding for personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not expose aerosols to temperatures above 130°F or the container may rupture.

6. Accidental release measures
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with suitable medium.
WASTE DISPOSAL METHODS: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.
CLEAN WATER ACT REQUIREMENTS: No data found.
RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) REQUIREMENTS: No data found.

7. Handling and storage
KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

8. Exposure controls/personal protection
ENGINEERING CONTROLS: No data found.
ADMINISTRATIVE CONTROLS: No data found.
PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION (SPECIFIC TYPE): If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.
PROTECTION GLOVES: Neoprene
OTHER PROTECTIVE CLOTHING & EQUIPMENT: None
HYGIENIC WORK PRACTICE: Wash with soap and water before handling food. Remove contaminated clothing.

VENTILATION
Adequate ventilation to keep vapor concentration below TLV.

9. Physical and chemical properties
Boiling Point: N/A
Vapor Pressure: PSIG @ 70 F (Aerosols): Max 80
Vapor Density (Air = 1): N/E
Solubility in Water: Partial
Appearance: Straw colored liquid
Specific Gravity (H2O=1): Concentrate Only = .853
Vapor Pressure (Non-Aerosols)(mm Hg and Temp): N/A
Evaporation Rate (=1): N/E
Water Reactive: Nb
Odor: Ketone solvent odor.

10. Stability and reactivity
STABILITY: Stable
HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Open flame, welding arcs, heat, sparks
INCOMPATIBLE MATERIALS: Strong oxidizing agents

11. Toxicological information
ROUTES OF ENTRY: Inhalation, Skin absorption
TARGET ORGANS: Lungs
CARCINOGENICITY: Listed with NTP, ARC Monograph, OSHA as a potential carcinogen
OVEREXPOSURE: May aggravate existing eye, skin, or upper respiratory conditions.
ACUTE EFFECTS

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation

Eye Contact: Irritation

Ingestion: Possible chemical pneumonitis is aspirated into lungs.

CHRONIC EFFECTS: (effects due to excessive exposure to the raw materials of this mixture).

Excessive inhalation of hexane may cause nerve damage.

12. Ecological Information
No data found.

13. Disposal Considerations
Incinerate or landfill according to federal regulations. DO NOT FLUSH TO SEWER.

14. Transport information
No data found.

15. Regulatory Information
No data found.

16. Other information
Issue Date: May 31, 2015
Revision Date: May 31, 2015

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