SAFETY DATA SHEET
U.S. HazCom GHS Format

FOTECH 2335

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FOTECH 2335
GENERAL USE: Catalyst used with adhesive for bonding screen-printing mesh to the frame
PRODUCT DESCRIPTION: Catalyst

DISTRIBUTOR

NBC Meshtec Americas
512 Kingsland Drive
Batavia, IL 60512

Emergency Contact: Shane Waltmire
Emergency Phone: 630-293-5454

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:
Target Organ Toxicity (Single exposure), Category 3
Eye Irritation, Category 2

Physical:
Flammable Liquids, Category 2

GHS LABEL

GHS02
GHS07

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENT(S)

Prevention:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P233: Keep container tightly closed.

Response:
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378: In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P312: Call a POISON CENTER/doctor/physician if you feel unwell.

Storage:
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:
P501: Dispose of contents/container in accordance to federal/state/local regulations.

COMMENTS: STOT SE 3 NE, STOT SE 3 RTI

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid Ethyl Ester</td>
<td>75 - 90</td>
<td>141-78-6</td>
</tr>
<tr>
<td>Isocyanate</td>
<td>10 - 25</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
SKIN: Wash off with soap and plenty of water. Consult a physician.
INGESTION: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention immediately.
INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
EXPLOSION HAZARDS: Extremely flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse containers without commercial cleaning or reconditioning.
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water may be ineffective. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Small fires: carbon dioxide or dry chemical. Large fires: alcohol-type aqueous film-forming foam or water spray.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wear appropriate personal protective equipment. Eliminate all sources of ignition. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use water mist or spray to disperse vapors. Collect spilled material for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbent. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean up spill area with decontaminant solution composed of concentrated ammonia (5 percent), detergent (2 percent), and water (93 percent). Cover spill area with suitable absorbent material. Pour decontaminant solution over spill area and allow to react for at least 10 minutes. Collect material in open-head metal container. Flush spill area with water spray after clean up.
LARGE SPILL: Wear appropriate personal protective equipment. Eliminate all sources of ignition. Prevent additional discharge of material if able to do so safely. Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material and collect for disposal. Use only non-combustible material for clean-up. Flush spill area with water spray after clean up.

7. HANDLING AND STORAGE

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment.
STORAGE: Store containers in a cool, well ventilated place, away from heat, fire. Keep containers closed when not in use.
SHELF LIFE: 24 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
### EXPOSURE GUIDELINES

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Type</th>
<th>ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA PEL</td>
<td>TWA</td>
<td>400</td>
<td>1400</td>
</tr>
<tr>
<td>ACGIH TLV</td>
<td>TWA</td>
<td>400</td>
<td>1440</td>
</tr>
<tr>
<td>Supplier OEL</td>
<td>TWA</td>
<td>NL</td>
<td>NL</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NL</td>
<td>NL</td>
</tr>
</tbody>
</table>

**ENGINEERING CONTROLS:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**PERSONAL PROTECTIVE EQUIPMENT**

- **EYES AND FACE:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).
- **SKIN:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- **RESPIRATORY:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).
- **PROTECTIVE CLOTHING:** Apron recommended.

**WORK HYGIENIC PRACTICES:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **PHYSICAL STATE:** Liquid
- **ODOR:** Ester like
- **COLOR:** Yellow / Brown
- **pH:** Not Available
- **PERCENT VOLATILE:** 60%
- **FLASH POINT AND METHOD:** (33.8°F)
- **FLAMMABLE LIMITS:** 2.0% (ethyl acetate) to 11.5% (ethyl acetate)
- **AUTOIGNITION TEMPERATURE:** Not Available
- **VAPOR PRESSURE:** Not Available
- **VAPOR DENSITY:** Not Available
- **BOILING POINT:** Not Available
- **FREEZING POINT:** Not Available
- **POUR POINT:** Not Available
- **THERMAL DECOMPOSITION:** Not Available
- **SOLUBILITY IN WATER:** Insoluble
- **EVAPORATION RATE:** Not Available
- **SPECIFIC GRAVITY:** 0.928
- **VISCOITY:** Not Available
- **(VOC):** as applied 175 g/L (EPA Method 24)

### 10. STABILITY AND REACTIVITY

- **CONDITIONS TO AVOID:** Impact, friction, heat, sparks, flame and sources of ignition
- **HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Decomposition releases nitrogen oxides, isocyanate-containing vapors are a hazardous decomposition product.
- **INCOMPATIBLE MATERIALS:** Avoid use of aluminum, copper, zinc, tin and/or brass alloys in contact with this material. Keep separate from alkalies. Avoid contact with moisture and/or water. Prevent contact with halogens. Prevent contact with strong...
oxoizing agents. Keep away from strong bases. Avoid contact with amines. Keep away from acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
<th>DERMAL LD&lt;sub&gt;50&lt;/sub&gt; (rabbit)</th>
<th>INHALATION LC&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
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<tbody>
<tr>
<td>Acetic Acid Ethyl Ester</td>
<td>&gt; 4934 mg/kg</td>
<td>&gt; 20000 mg/kg</td>
<td>&gt; 22.5 mg/L</td>
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<tr>
<td>Isocyanate</td>
<td>&gt; 2500 mg/kg</td>
<td>&gt; 18000 mg/kg</td>
<td>29.3 mg/L</td>
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</table>

DERMAL LD<sub>50</sub>: Not yet determined for this product
ORAL LD<sub>50</sub>: Not yet determined for this product
INHALATION LC<sub>50</sub>: Not yet determined for this product

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No specific data are available for this product. Handle it according to good working practices.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all current local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME:

<table>
<thead>
<tr>
<th>DOT CLASSIFICATION</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class</th>
<th>Packing group</th>
<th>TDG 500 KG Exemption</th>
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<tr>
<td></td>
<td>UN 1866</td>
<td>Resin solution flammable</td>
<td>3</td>
<td>II</td>
<td>Yes</td>
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AIR (ICAO/IATA)
SHIPPING NAME:

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<tr>
<th>IATA</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class</th>
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<td>II</td>
<td>5 L</td>
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</table>

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES: FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD
FIRE: Yes PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes
313 REPORTABLE INGREDIENTS: None
CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CERCLA RQ</th>
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<tbody>
<tr>
<td>Acetic Acid Ethyl Ester</td>
<td>75 - 90</td>
<td>5,000</td>
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TSCA (TOXIC SUBSTANCE CONTROL ACT)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>TSCA SECTION</th>
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<tbody>
<tr>
<td>Acetic Acid Ethyl Ester</td>
<td>141-78-6</td>
<td>12b,</td>
</tr>
</tbody>
</table>

TSCA REGULATORY: All components of this product are listed on the TSCA Inventory.

REGULATIONS
STATE REGULATIONS: None

CANADA
WHMIS HAZARD SYMBOL AND CLASSIFICATION

- Flammable
- Liquid
- Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product
WHMIS CLASS: B, D
DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION
PREPARED BY: SDS Regulatory Specialist  Date Revised: 08/10/2017
REVISION SUMMARY: This MSDS replaces the 07/10/2017 MSDS.

NFPA CODES

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>1</td>
<td>X</td>
</tr>
</tbody>
</table>

HMIS RATINGS NOTES: (X) - site specific
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