**SAFETY DATA**

**Part A**

**Product & Company Identification:**

1.1 Product Identifiers:
- **Product (Trade) Name:** 805-70A
- **Brand:** Creative Materials, Inc.
- **CAS Number:** Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- **Identified uses:** Epoxy adhesive, encapsulant, potting compound

1.3 Details of the supplier of the safety data sheet:
- **Manufacturer:** Creative Materials, Inc.
- **Address:** 12 Willow Road, Ayer, MA 01432
- **Telephone:** 978.391.4700
- **Fax:** 978.391.4705
- **E-mail:** msdrquest@creativematerials.com

1.4 Emergency Telephone Numbers:
- **Chemtrec Emergency:** 1-800-424-9300

**Revision Date:** 08/14/20

**Revision:** E

**SAFETY DATA**

**3. COMPOSITION/INFORMATION on INGREDIENTS**

**3.1 Substances: MATERIAL**

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>100</td>
</tr>
</tbody>
</table>

**4. FIRST AID MEASURES:**

4.1 Description of first aid measures:
- **General advice:** Seek medical advice.
- **In case of eye contact:** Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.
- **In case of skin contact:** Remove contaminated clothing/shoes and wash affected areas with water followed by washing with soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.
- **If swallowed:** Do NOT INDUCE VOMITING. Dilute with water or milk and call a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.
- **If inhaled:** Move to fresh air. If breathing, if necessary, and get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed:
- **Target organs:** Eyes, skin, respiratory system, liver, kidney, pancreas, spleen, central nervous system

4.3 Indication of any immediate medical attention and special treatment needed:
- Adverse eye effects such as conjunctivitis or corneal damage; eye disease. Can cause severe burns, blindness, irritation.

**5. FIRE FIGHTING MEASURES:**

5.1 Extinguishing Media:
- Suitable extinguishing media:
  - Use water fog, alcohol foam, CO₂ or dry chemical extinguishing media.
  - Carbon dioxide: toxic nitrogen oxide gases.

5.2 Special hazards arising from the substance or mixture:
- Avoid breathing dust fumes/gas/mist/vapor/spray.
- Use only outdoors or in a well-ventilated area.

5.3 Advice for firefighters:
- Material will not burn unless preheated. Firefighters should not enter confined space without full bunker gear (helmet with face shield, bunkercoats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.

5.4 Further Information:
- Not available

**6. ACCIDENTAL RELEASE MEASURES:**

6.1 Personal precautions, protective equipment, and emergency procedures:
- **Extinguish all sources of ignition.** Wear protective clothing, gloves, goggles or glasses. Provide adequate ventilation.

6.2 Environmental Precautions:
- Do not discharge into any sewage system or waterway.

6.3 Methods and materials for containment and cleanup:

**Response:**

- Avoid breathing dust fumes/gas/mist/vapor/spray.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/eye protection/protective clothing.
Absorb with earth, sand, or other inert material and place in suitable containers for disposal.

6.4 Reference to other sections:
For disposal see section 13.

7. HANDLING and STORAGE:
7.1 Precautions for safe handling:
Observe normal standards of industrial hygiene for handling chemicals. Avoid contact with skin and eyes. Use extreme caution when spraying or aerosolizing this product.

7.2 Conditions for safe storage, including incompatibilities:
Store in a cool, dry, well-ventilated area. Keep containers tightly closed and away from heat, direct sunlight and ignition sources.

7.3 Specific end uses:
Including but not limited to dispensing and bonding operations.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:
8.1 Control Parameters:
Components with control parameters:

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>LIMIT VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None.</td>
<td></td>
</tr>
</tbody>
</table>

** Indicates that the material is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 et seq. if present at greater than 1%.

Exposure controls

Appropriate engineering controls
Mechanically exhaust vapors at points of application. Maintain airborne contaminant levels of chemicals below their recommended TLY’s or PEL’s.

Personal protective equipment
Skin Protection
Avoid prolonged or repeated contact with skin. Wear impervious gloves such as nitrile, latex, or polyethylene and other clothing to prevent contact.

Respiratory Protection
For confined areas or areas with poor ventilation, use an approved cartridge type, organic vapor respirator. Use extreme caution when spraying or aerosolizing this product.

Eye Protection
Chemical goggles or safety glasses with side shields

Protective Clothing
Impermeable gloves, coveralls, apron, boots as necessary to protect skin contact.

9. PHYSICAL and CHEMICAL PROPERTIES:
9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance:</td>
<td>Liquid</td>
</tr>
<tr>
<td>b) Form</td>
<td>Color</td>
</tr>
<tr>
<td>c) Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>d) pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>e) Melting/Freezing point</td>
<td>260°C (fl.)</td>
</tr>
<tr>
<td>f) Boiling Point</td>
<td>&gt; 250°C (fl.)</td>
</tr>
<tr>
<td>g) Flash Point</td>
<td></td>
</tr>
<tr>
<td>h) Evaporation Rate</td>
<td></td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>j) Upper/Lower Flammability Limits</td>
<td></td>
</tr>
<tr>
<td>k) Vapor Pressure @ 20°C</td>
<td></td>
</tr>
<tr>
<td>l) Vapor Density</td>
<td></td>
</tr>
<tr>
<td>m) Specific Gravity (water=1)</td>
<td></td>
</tr>
<tr>
<td>n) Solubility in Water</td>
<td>1.17 (calculated)</td>
</tr>
<tr>
<td>o) Partition coefficient: n-octanol/water</td>
<td>Not determined</td>
</tr>
<tr>
<td>p) Auto-Ignition Temperature</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>q) Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>r) Viscosity (25°C)</td>
<td></td>
</tr>
<tr>
<td>s) Explosive Properties</td>
<td></td>
</tr>
<tr>
<td>t) Oxidizing Properties</td>
<td></td>
</tr>
<tr>
<td>u) Volatiles (by % wt.)</td>
<td>Negligible</td>
</tr>
</tbody>
</table>

9.2 Other safety information:
No data available on product itself.

10. STABILITY and REACTIVITY:
10.1 Reactivity:
No data available on product itself.

10.2 Chemical Stability:
Stable under normal conditions.

10.3 Possibility of hazardous reactions:
Can react vigorously with strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases.

10.4 Conditions to avoid:
Storage in open containers, sources of ignition, high temperatures and direct sunlight.

10.5 Incompatible materials:
Strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases.

10.6 Hazardous decomposition products:
Carbon monoxide, aldehydes, acids, and other organic substances can be formed during combustion, thermal, or oxidative decomposition. Reaction with some curing agents may produce considerable heat.

11. TOXICOLOGICAL INFORMATION:
Acute Toxicity
No data available on product itself.

ATE, mix
LD50, oral = > 10,000 mg/kg
LD50, dermal = > 2,000 mg/kg

Skin Corrosion/Irritation
No data available on product itself.

Serious Eye Damage/Irritation
May cause eye irritation (based on components).

Sensitization
May cause skin sensitization (based on components).

Specific Target Organ Toxicity – Single Exposure (STOT – SE)
No data available on product itself.

Specific Target Organ Toxicity – Repeated Exposure (STOT – RE)
No data available on product itself.

Carcinogenicity
No data available on product itself.

ACGIH Classification: Not classified.
IARC Classification: Not classified.
NTP Classification: Not classified.
OSHA Classification: Not classified.

Teratogenicity, Reproductive Toxicity, and Mutagenicity
No data available on product itself.

Aspiration Hazard
No data available on product itself.

12. ECOLOGICAL INFORMATION:
12.1 Toxicity:
No data available on product itself.
12.2 Persistence and degradability:
No data available on product itself.
12.3 Bioaccumulative potential:
No data available on product itself.
12.4 Mobility in soil:
No data available on product itself.
12.5 Results of PST and PBT assessment:
No data available on product itself.
12.6 Other information/ effects:
Do not allow discharge into drains and waterways. Avoid ground contamination.

13. DISPOSAL RECOMMENDATIONS:
13.1 Waste treatment methods:
Place in an appropriate disposal facility in compliance with local regulations.

14. TRANSPORT INFORMATION:
14.1 UN number
None
14.2 UN proper shipping name
DOT: Not regulated for transport
ADR/RID: Not regulated for transport
IMO: Not regulated for transport
IATA: Not regulated for transport
14.3 Transport hazardous class(es)
None
14.4 Packaging group
None
14.5 Environmental hazards
None
14.6 Special precautions for user
None

15. REGULATORY INFORMATION:
This safety data sheet complies with GHS formatting.
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
US Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and of the Code of Federal Regulations, Part 372.
Component CAS Weight %
None.
SARA 311/312 Hazardous Categorization
Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

State Regulations
California Proposition 65
This product contains NO chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA (Toxic Substance Control Act)
All ingredients listed or exempt.

15.2 Chemical Safety Assessment
No data available on product itself.

16. OTHER INFORMATION:
HMIS Rating: H – 2, F – 1, R – 0
To the best of our knowledge, the information contained herein is accurate and meets all State and Federal guidelines. However, Creative Materials Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of the suitability of any material is the sole responsibility of the user.
SDS prepared 14th of August 2020. Updated formatting and hazard information.
SAFETY DATA

1. PRODUCT & COMPANY IDENTIFICATION:
   1.1 Product identifiers:
      Product (Trade) Name: 805-70B
      Brand: Creative Materials, Inc.
      CAS: Mixture
   1.2 Relevant identified uses of the substance or mixture and uses advised against:
      Identified uses: Curative, epoxy
   1.3 Details of the supplier of the safety data sheet:
      Manufacturer: Creative Materials, Inc.
      Address: 12 Willow Road
      Ayer, MA 01432
      Telephone: 978.391.4700
      Fax: 978.391.4705
      E-mail: msarequest@creativematerials.com
   1.4 Emergency Telephone Number
      Chemsec Emergency: 011-800-424-9300

2. HAZARD IDENTIFICATION:
   2.1 Classification of substance or mixture:
      Classification according to GHS formatting
      DANGERS:
      Skin irritation: Category 2
      Serious eye damage: Category 1
      Germ Cell Mutagenicity: Category 2
      Aquatic Toxicity, Chronic: Category 3
   2.2 Label Elements:
      Hazard statement(s):
      H315: Causes skin irritation.
      H317: May cause an allergic skin reaction.
      H318: Causes serious eye damage.
      H341: Suspected of causing genetic defects.
      H412: Harmful to aquatic life with long-lasting effects.
      Prevention:
      P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
      P272: Contaminated work clothing should not be allowed out of the workplace.
      P273: Avoid release to the environment.
      P280: Wear protective gloves and eye protection/protective clothing.
      Response:
      P302+P352: IF ON SKIN: wash with soap and water.

3. COMPOSITION/INFORMATION on INGREDIENTS
   3.1 Substances:
      | MATERIAL | CAS No. | % |
      |----------|---------|---|
      Mercaptan-terminated polymer | Proprietary | > 90 |
      Dimethylaminomethylphenol | 25338-55-0 | < 3 |

4. FIRST AID MEASURES:
   4.1 Description of first aid measures:
      In case of eye contact - Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.
      In case of skin contact - Remove contaminated clothing/shoes and wash affected areas with water followed by washing with soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.
      If swallowed - DO NOT INDUCE VOMITING. Dilute with water or milk and call a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.
      If inhaled - Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.
   4.2 Most important symptoms and effects, both acute and delayed:
      No data available
   4.3 Indication of any medical attention and special treatment needed:
      No data available

5. FIRE FIGHTING MEASURES:
   5.1 Extinguishing Media:
      Suitable extinguishing media:
      Use water fog, alcohol foam, CO2 or dry chemical extinguishing media.
   5.2 Special hazards arising from the substance or mixture:
      Carbon oxides
   5.3 Advice for firefighters:
      Material will not burn unless preheated. Firefighters should not enter confined space without full bunker gear (helmet with face shield, bunkercoats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.
   5.4 Further information:
      Not available

6. ACCIDENTAL RELEASE MEASURES:
   6.1 Personal precautions, protective equipment, and emergency procedures:
      Exclude all sources of ignition. Wear appropriate clothing, gloves, goggles or glasses. Provide adequate ventilation.
   6.2 Environmental Precautions:
      Do not discharge into any sewage system or waterway.
   6.3 Methods and materials for containment and cleanup:
      Absorb with earth, sand, or other inert material and place in suitably containers for disposal.
   6.4 Reference to other sections:
      For disposal see section 13.

7. HANDLING and STORAGE:
7.1 Precautions for safe handling:
Observe normal standards of industrial hygiene for handling chemicals. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including incompatibilities:
Store in a cool, dry, well ventilated area. Keep containers tightly closed and away from heat, direct sunlight and ignition sources.

7.3 Specific end uses:
Including but not limited to: curing agent.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

8.1 Control Parameters:
Components with control parameters

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>LIMIT VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol</td>
<td>TWA: 5 ppm</td>
</tr>
</tbody>
</table>

** Indicates that this material is subject to the reporting requirements of Section 313 of Title 3 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 et. seq. if present at greater than 1%.

Exposure controls

Appropriate engineering controls

Mechanically exhaust vapors at points of application. Maintain airborne contaminant levels of chemicals below their recommended TLV's or PEL's.

Personal protective equipment

Skin Protection

Avoid prolonged or repeated contact with skin. Wear impervious gloves such as nitrile, latex, or polychloroprene and other clothing to prevent contact.

Respiratory Protection

For confined areas or areas with poor ventilation, use an approved cartridge type, organic vapor respirator.

Eye Protection

Chemical goggles or safety glasses with side shields

Protective Clothing

Impervious gloves, coveralls, aprons, boots as necessary to prevent skin contact.

9. PHYSICAL and CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

- **Appearance:** Form: Liquid
  - Color:
    - Colorless to pale yellow
    - Very strong rotten eggs odor
  - Odor Threshold: Not determined
  - Odor: Not determined
  - Melting/Freezing point: > 250°C
  - Boiling Point: Not determined
  - Flash Point: Not determined
  - Evaporation Rate: Not determined
  - Flammability (solid, gas): Upper: Not determined, Lower: Not determined
  - Toxicity Limits: Vapor Pressure @ 20°C: Not determined
  - Toxicity: Vapor Density: Heavier than air
    - 1.13 (calculated)
  - Specific Gravity (water=1): Not determined
  - Solubility in Water: Slightly soluble
  - Partition coefficient: n-octanol/water: Not determined
  - Auto-Ignition Temperature: Not determined
  - Decomposition Temperature: Not determined
  - Viscosity (25°C): Not determined
  - Explosive Properties: Not determined
  - Oxidizing Properties: Not determined
  - Toxicity: Very Toxic
  - Viscosity: Negligible
  - Volatility (by % vol.): Not determined

9.2 Other safety information:

No data available

10. STABILITY and REACTIVITY:

10.1 Reactivity:

No data available

10.2 Chemical Stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

Can react vigorously with strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases

10.4 Conditions to avoid:

Storage in open containers, sources of ignition, high temperatures and direct sunlight.

10.5 Incompatible materials:

Strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases

10.6 Hazardous decomposition products:

Carbon monoxide, aldehydes, acids, and other organic substances can be formed during combustion, thermal, or oxidative decomposition. Reaction with some curing agents may produce considerable heat.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity

No data available on product itself.

Skin Corrosion/Irritation

No data available on product itself.

Serious Eye Damage/Irritation

No data available on product itself.

Sensitization

No data available on product itself.

Specific Target Organ Toxicity – Single Exposure (STOT – SE)

No data available on product itself.

Specific Target Organ Toxicity – Repeated Exposure (STOT – RE)

No data available on product itself.

Carcinogenicity

No data available on product itself.

IARC Classification: Not classified.

NTP Classification: Not classified.

OSHA Classification: Not classified.

Teratogenicity, Reproductive Toxicity, and Mutagenicity

No data available on product itself.

Aspiration Hazard

No data available on product itself.

12. ECOLOGICAL INFORMATION:

12.1 Toxicity:

No data available on product itself.

12.2 Persistence and degradability:

No data available on product itself.

12.3 Bioaccumulative potential:

No data available on product itself.

12.4 Mobility in soil:
No data available on product itself.

12.6 Results of PBT and vPvB assessment:
No data available on product itself.

12.6 Other information/effects:
Do not allow discharge into drains and waterways. Avoid ground contamination.

13. DISPOSAL RECOMMENDATIONS:
13.1 Waste treatment methods:
Place in an appropriate disposal facility in compliance with local regulations.

14. TRANSPORT INFORMATION:
14.1 UN number
None

14.2 UN proper shipping name
Not regulated for transport

ADR/RID:
Not regulated for transport

IMDG:
Not regulated for transport

IATA:
Not regulated for transport

14.3 Transport hazardous class(es)
None

14.4 Packaging group
None

14.5 Environmental hazards
None

14.6 Special precautions for user
None

15. REGULATORY INFORMATION:
This safety data sheet complies with GHS formatting

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
US Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and of the Code of Federal Regulations, Part 372.

Component CAS Weight %
None

SARA 311/312 Hazardous Categorization
Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

State Regulations
California Proposition 65
This product contains NO chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA (Toxic Substances Control Act)
All ingredients listed or exempt.

15.2 Chemical Safety Assessment
No data available on product itself.

16. OTHER INFORMATION:

HMIS Ratings:  H = 1  F = 1  R = 0
To the best of our knowledge, the information contained herein is accurate and meets all State and Federal guidelines. However, Creative Materials Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of the suitability of any material is the sole responsibility of the user.
SRS prepared 19th of September 2019. Updated formatting and hazard information.