I  PRODUCT IDENTIFICATION

PRODUCT NAME: GENTAK TM 230
FORMULA: A blend
CAS No. Not applicable on blend
MOL WT. A blend

II  HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS No</th>
<th>Content</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component “R”</td>
<td>*</td>
<td>*</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Dimethylacetamide</td>
<td>127-19-5</td>
<td>*</td>
<td>10 ppm</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

N/E: Not established

* The identities of the material balance in this product are withheld as a trade secret (29 CFR 1910.1200(i) and are available to physician or paramedical personnel in emergency situation.

III  HEALTH HAZARD INFORMATION

PRIMARY ROUTE OF ENTRY: Skin contact

ACUTE EFFECTS OF EXPOSURE:
   EYE CONTACT: May cause slight to moderate irritation.
   SKIN CONTACT: May cause slight to moderate irritation.
   INGESTION: Unlikely due viscosity
   INHALATION: May cause dizziness, nausea and vomiting.

CHRONIC EFFECTS OF EXPOSURE: Based on animal study, chronic effects may occur in liver and kidney.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No identified medical conditions are known to be aggravated by exposure.
**IV FIRST AID MEASURES:**

EYE CONTACT: Immediately flush eyes with water and continue washing for several minutes. Get medical attention if irritation persist.
SKIN CONTACT: Promptly wash contaminated skin with soap or mild detergent and water.
INGESTION: Do not induce vomiting. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.
INHALATION: If inhaled, remove to fresh air. Perform artificial respiration if breathing has stopped.

**V TOXICOLOGICAL AND ECOLOGICAL INFORMATION**

ORAL: RAT LD50 = No data available
DERMAL: RABBIT LD50 = No data available
INHALATION: RAT LC 50 = No data available
CARCINOGENICITY: None known

**VI FIRE AND EXPLOSION INFORMATION**

<table>
<thead>
<tr>
<th>Flash point: &lt;70 °C (&lt;158°F)</th>
<th>Flammable Limits in Air, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method used: TCC</td>
<td>Lower: No data Upper: No data</td>
</tr>
<tr>
<td>Auto-ignition temp: No data</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide.

**VII SPILL AND PRECAUTION FOR HANDLING AND USE**

SPILL CLEANUP METHODS: Absorb with non-combustible absorbent material and package for proper waste management.

STORAGE PRECAUTIONS: Keep storage container tightly closed. Store at ambient temperature, dry, well ventilated area or cabinet. Isolate from incompatibles such as corrosives, oxidizers.

**VIII EXPOSURE CONTROL AND PERSONAL PROTECTION**

VENTILATION: Local mechanical exhaust ventilation capable of maintaining emission at the point of use.
If heated, vapors should be ventilated away from workspace.
RESPIRATORY PROTECTION: No special respiratory protection is required under normal handling condition at STP with adequate ventilation.
EYE PROTECTION: Glasses or goggles are required.
OTHER PROTECTION: Nitrile or neoprene protective gloves are required. Wear suitable protective clothing. Additional equipment may include uniform or apron.
IX PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: viscous liquid  
COLOR: Dark brown  
ODOR: Mild odor  
SOLUBILITY DESCRIPTION: Insoluble  
SPECIFIC GRAVITY @ 68F: No data  
BOILING POINT: >130 C/ >280 F  
EVAPORATION RATE (BuAc = 1): <1  
VAPOR PRESSURE (mm Hg) @ 68F: No data  
VAPOR DENSITY (air = 1): No data  
VISCOSITY (GLYCERINE = 1) @ 25 C: No data

X STABILITY AND REACTIVITY

STABILITY: Stable under normal operating temperature.  
POLYMERIZATION: Will not polymerize  
CONDITIONS TO AVOID: Flame or other sources of ignition.  
MATERIAL TO AVOID: Strong oxidizers.

XI TRANSPORT INFORMATION

DOT Name: Adhesive, containing a flammable liquid  
Hazard Class: 3  
UN No.: 1133  
Packing Group: III

XII REGULATORY INFORMATION

SARA TITLE III: Not listed chemical  
PROP 65: Not listed  
TSCA INVENTORY STATUS: Listed

XIII OTHER INFORMATION

All information appearing herein is based on data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, General Chemical Corp. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond General Chemical Corp. control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product.

The information contained herein should not be used for specification purposes. General Chemical Corp. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided therein.

05-04-01: Added a component in the section II.
06-21-01: Corrected hazardous decomposition product in section VI.