### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

<table>
<thead>
<tr>
<th>Product name:</th>
<th>GlucoDril-IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended use:</td>
<td></td>
</tr>
<tr>
<td>Company details:</td>
<td>Chemstar Products Company</td>
</tr>
<tr>
<td>Address:</td>
<td>3232 East 40th Street, Minneapolis, MN, 55406-3203, US.</td>
</tr>
<tr>
<td>Telephone number:</td>
<td>(612) 722-0079</td>
</tr>
<tr>
<td>Emergency telephone number:</td>
<td>ChemTrek 800-424-9300</td>
</tr>
<tr>
<td>Date of preparation:</td>
<td>2 Jan 2018</td>
</tr>
</tbody>
</table>

### SECTION 2: HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Hazard classifications:</th>
<th>Non-hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority and secondary identifiers:</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>Risk and safety phrases:</td>
<td>Respiratory tract irritant; Irritant (eyes)</td>
</tr>
</tbody>
</table>

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical characterization:</th>
<th>Modified polysaccharide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product components:</td>
<td>Product components</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Cas</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified Starch</td>
<td>9049-76-7</td>
<td>100%</td>
</tr>
<tr>
<td>None</td>
<td>NR</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

### SECTION 4: FIRST AID MEASURES

**Necessary first aid measures:**
- Inhalation: Exposure via inhalation is not likely. If inhaled, remove to fresh air.
- Skin: Wash skin with soap and water.
- Eyes: Flush eyes with water for 15 minutes, seek medical attention.
- Ingestion: If swallowed, dilute by drinking large quantities of water, seek medical attention.
- Chronic exposure: No data
- Carcinogenicity: Not a likely carcinogen

**Workplace facilities:**
No special facilities required.

**Required instructions:**
Observe good work practices to minimize skin contact. Wash hands and exposed skin after use. Do not eat or drink while using.

**Notes for medical personnel:**
Apply symptomatic therapy.

### SECTION 5: FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Type of hazard:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hazard properties:</td>
<td></td>
</tr>
<tr>
<td>Regulatory requirements:</td>
<td></td>
</tr>
<tr>
<td>Extinguishing media and methods:</td>
<td>Water, CO2, dry powder or foam</td>
</tr>
</tbody>
</table>
SECTION 6: ACCIDENTAL RELEASE MEASURES
Emergency procedures: Sweep up and flush area with water.
Caution: Wet floors may be slippery when material is present. Avoid production of dust.

SECTION 7: HANDLING AND STORAGE
Precautions for safe handling: Avoid practices which produce dust. Store away from heat, flame and spark source.
Regulatory requirements: N/A
Handling practices: N/A
Approved handlers: Not required
Conditions for safe storage: Store away from heat, flame and spark source
Store site requirements: Packaging:

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION
Workplace exposure standards: Prevent exposure by using engineering controls, personal protective equipment, and proper work practices. Avoid the creation of dust
Application in the workplace: TEL and EELs are not set at this time
Engineering controls: Ventilation as needed to control dust
Personal protection: Dust respirator (NIOSH/MSHA TC-21C-132) as needed.
Eye protection
Protective gloves
References: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
Specify product data: Physical state: Solid
Solubility in water: complete
pH (4% sol): 6.0 - 8.0
Density (Lb./Cu. Ft.): 30 - 40
Appearance: white to off white powder
Required specifications: N/A
Further specifications: N/A
Specific advice:

SECTION 10: STABILITY AND REACTIVITY
Stability of the substance: Stable under normal conditions of use and storage
Conditions to avoid: Dust-air mixtures may be explosive. The minimum ignition temperature reported through a 200 mesh sieve is 380 degrees C (716 degrees F). The minimum explosive concentration of a duct cloud is 0.04 oz / Cu Ft. Avoid open lights, flames, welding and spark producing sources. Damp or wet conditions will lead to spoilage.

Material to avoid: Strong oxidizing agents.

Hazardous decomposition products: Oxides of carbon.

Hazardous polymerization: Will not occur.

Specific data:
- Flammable Limits:
  - LEL: N/A
  - UEL: N/A

### SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation: This material is not manufactured to contain any hazardous components. In eyes or respiratory systems it may cause irritation if heavy concentrations are encountered.

Summaries data:
- Inhalation: May cause irritation to respiratory system.
- Skin: None known.
- Ingestion: Not edible.

Format:

### SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:

Data organisation:

Environmental risk and safety phrases:

### SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information: Dispose of in a manner which is in accordance with state and local regulations.

### SECTION 14: TRANSPORT INFORMATION

Relevant information: See local and state regulations.

Other requirements:

### SECTION 15: REGULATORY INFORMATION

Regulatory status: See local and state regulations.

HSNO and ACVM controls:

List exposure limits:

### SECTION 16: OTHER INFORMATION

Additional information: none.