

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

<b>Product name:</b>	GlucoSol 235
<b>Recommended use:</b>	
<b>Company details:</b>	Chemstar Products Company
<b>Address:</b>	3232 East 40th Street, Minneapolis, MN, 55406-3203, US.
<b>Telephone number:</b>	(612) 722-0079
<b>Emergency telephone number:</b>	ChemTrek 800-424-9300
<b>Date of preparation:</b>	2 Jan 2018

**SECTION 2: HAZARDS IDENTIFICATION**

<b>Hazard classifications:</b>	Non-hazardous
<b>Priority and secondary identifiers:</b>	Non-hazardous
<b>Risk and safety phrases:</b>	Respiratory tract irritant Irritant (eyes)

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical characterization:</b>	Modified polysaccharide		
<b>Product components:</b>	Product components		
<b>Name</b>	<b>Cas</b>	<b>Proportion</b>	
Modified Starch	9063-38-1	100%	
None	NR	<1%	

**SECTION 4: FIRST AID MEASURES**

<b>Necessary first aid measures:</b>	<p>Inhalation: Exposure via inhalation is not likely. If inhaled, remove to fresh air.</p> <p>Skin: Wash skin with soap and water.</p> <p>Eyes: Flush eyes with water for 15 minutes, seek medical attention.</p> <p>Ingestion: If swallowed, dilute by drinking large quantities of water, seek medical attention.</p> <p>Chronic exposure: No data</p> <p>Carcinogenicity: Not a likely carcinogen</p>
<b>Workplace facilities:</b>	No special facilities required.
<b>Required instructions:</b>	Observe good work practices to minimize skin contact. Wash hands and exposed skin after use. Do not eat or drink while using.
<b>Notes for medical personnel:</b>	Apply symptomatic therapy.

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Type of hazard:</b>	
<b>Fire hazard properties:</b>	
<b>Regulatory requirements:</b>	
<b>Extinguishing media and methods:</b>	Water, CO2, dry powder or foam

**Hazchem code:**

**Recommended protective clothing:** When fighting a major fire, wear full protective clothing including breathing apparatus.

**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:**  
**Application in the workplace:** Prevent exposure by using engineering controls, personal protective equipment, and proper work practices. Avoid the creation of dust  
**Exposure standards outside 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): 11.5 - 12.1  
Density (Lb./Cu. Ft.): 30 - 40  
Appearance: 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

<b>Conditions to avoid:</b>	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
<b>Material to avoid:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Oxides of carbon
<b>Hazardous polymerization:</b>	Will not occur
<b>Specific data:</b>	Flammable Limits: LEL: N/A UEL: N/A

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Data and interpretation:</b>	Material is mildly alkaline (pH 11.5 - 12.1). Avoid inhalation and contact with eyes and skin. Material can cause skin irritation if contacted for prolonged period of time. For industrial use only, not for human consumption.
<b>Summaries data:</b>	Inhalation: May cause irritation to respiratory system  Skin: None known  Ingestion: mild irritant
<b>Format:</b>	

**SECTION 12: ENVIRONMENTAL INFORMATION**

<b>Potential environmental interactions:</b>	
<b>Data organisation:</b>	
<b>Environmental risk and safety phrases:</b>	

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Disposal information:</b>	Dispose of in a manner which is in accordance with state and local regulations
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**SECTION 14: TRANSPORT INFORMATION**

<b>Relevant information:</b>	See local and state regulations
<b>Other requirements:</b>	

**SECTION 15: REGULATORY INFORMATION**

<b>Regulatory status:</b>	See local and state regulations
<b>HSNO and ACVM controls:</b>	
<b>List exposure limits:</b>	

**SECTION 16: OTHER INFORMATION**

<b>Additional information:</b>	none
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