

## 1. Product and Company Identification

**Product Code:** 00006  
**Product Name:** 280  
**Company Name:** Heat Power Engineering  
702 Incentive Drive  
Fort Wayne, IN 46825  
**Emergency Contact:** Infotrac (800)535-5053  
**Information:** (260)497-9500

## 2. Hazards Identification

**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 3**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H320 - Causes eye irritation.  
H315 - Causes skin irritation.  
H335 - May cause respiratory irritation.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 - Use only outdoors or in a well-ventilated area.

**GHS Response Phrases:** P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 - Rinse mouth.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P362 - Take off contaminated clothing.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

**GHS Storage and Disposal Phrases:** P403+235 - Store in cool/well-ventilated place.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May be harmful if inhaled.

**Skin Contact:** Causes skin irritation. May be harmful if absorbed through the skin.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7757-83-7	Sodium sulfite	5.0 -10.0 %

### 4. First Aid Measures

#### Emergency and First Aid

##### Procedures:

<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. Get medical aid if irritation or symptoms occur.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	NA	Method Used: Estimate
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	NA	
<b>Suitable Extinguishing Media:</b>	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.	
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.	
<b>Flammable Properties and Hazards:</b>	No data available.	

### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Wear appropriate protective clothing to prevent skin exposure. Wear appropriate protective gloves to prevent skin exposure. Goggles or face shield.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water.

### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry place. Store in a tightly closed container. Keep from contact with oxidizing materials.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7757-83-7	Sodium sulfite	No data.	No data.	No data.
<b>Respiratory Equipment (Specify Type):</b>		Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.		
<b>Eye Protection:</b>		Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.		
<b>Protective Gloves:</b>		Wear appropriate protective gloves to prevent skin exposure.		
<b>Other Protective Clothing:</b>		Wear appropriate protective clothing to prevent skin exposure.		
<b>Engineering Controls (Ventilation etc.):</b>		Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.		

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid		
<b>Appearance and Odor:</b>	Brownish.		
	No apparent odor.		
<b>Melting Point:</b>	NA		
<b>Boiling Point:</b>	NA		
<b>Autoignition Pt:</b>	NA		
<b>Flash Pt:</b>	NA Method Used: Estimate		
<b>Explosive Limits:</b>	LEL: No data.		UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.01 - 1.10		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.		
<b>Vapor Density (vs. Air = 1):</b>	No data.		
<b>Evaporation Rate:</b>	No data.		
<b>Solubility in Water:</b>	Complete		
<b>pH:</b>	8.0 - 10.0		
<b>Percent Volatile:</b>	No data.		

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, Excess heat, Freezing temperatures.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, acids, sodium nitrate, and sodium nitrite. Sulfur dioxide.
<b>Hazardous Decomposition Or Byproducts:</b>	oxides of sulfur, hydrogen sulfide, sodium oxide.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

<b>Toxicological Information:</b>	Epidemiology: No information found.
	Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity:
	CAS# 7757-83-7:
	Acute toxicity, LD50, Oral, Mouse, 820.0 MG/KG; Kenkyu Nenpo--Tokyo-toritsu Eisei Kenkyusho. Annual Report of Tokyo Metropolitan Research Laboratory of Publi, Tokyo-toritsu Eisei Kenkyusho, 24-1, 3-chome, Hyakunin-cho, Shin-juku-ku, Tokyo 160 Japan, Vol/p/yr: 27,159, 1976
	Acute toxicity, LD50, Intraperitoneal, Mouse, 950.0 MG/KG; Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr: 31,1713, 1981
	Acute toxicity, LD50, Oral, Rat, 3560. mg/kg.
	Result:
	Behavioral: Somnolence (general depressed activity).
	Behavioral: Convulsions or effect on seizure threshold.
	Skin and Appendages: Other: Hair.
	- International Journal of Toxicology., Taylor & Francis, 47 Runway Rd., Suite g, Levittown, PA 19057, Vol/p/yr: 19,349, 2000
<b>Carcinogenicity/Other Information:</b>	CAS# 7757-83-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
<b>Carcinogenicity:</b>	NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. Ecological Information

<b>General Ecological Information:</b>	Environmental: No information available.
	Physical: No information available.
	Other: Do not empty into drains.
	CAS# 7757-83-7:
	LC50, Water Flea (Daphnia magna), 299.0 MG/L, 25 H, Mortality, Water temperature: 21.00 C (69.8 F) - 25.00 C (77.0 F) C; Toxicity of Selected Chemicals to Certain Animals, Dowden, B.F., and H.J. Bennett, 1965
	LC50, Western Mosquitofish (Gambusia affinis), adult(s), 660000. UG/L, 24 H, Mortality, Water temperature: 18.00 C (64.4 F) - 26.00 C (78.8 F) C, pH: 7.90; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957
	Effective concentration to 50% of test organisms., Green Algae (Chlorella vulgaris), 0.500 - 1.000 MMOL/L, Population, Water temperature: 20.00 C (68.0 F) C, pH: 6.20; The Effects of Sulfite on the Growth and Carbon Dioxide. (Der Einfluss Von Sulfit Auf Das Wachstum Und Die CO2-Fixierung Einzelliger Grunalgen), Stamm, A., 1980

### 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

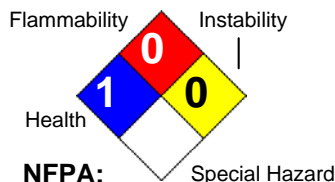
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7757-83-7	Sodium sulfite	No	No	No

**This material meets the EPA** ☒ Yes ☐ No Acute (immediate) Health Hazard  
**'Hazard Categories' defined** ☒ Yes ☐ No Chronic (delayed) Health Hazard  
**for SARA Title III Sections** ☐ Yes ☒ No Fire Hazard  
**311/312 as indicated:** ☐ Yes ☒ No Sudden Release of Pressure Hazard  
☐ Yes ☒ No Reactive Hazard

### 16. Other Information

**Revision Date:** 04/12/2015

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, HEAT POWER ENGINEERING CO. MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.