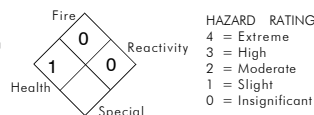




# Total Alkalinity Up (Sodium Bicarbonate)

**EMERGENCY MEDICAL  
TELEPHONE NUMBER**  
1-913-588-6633

## MATERIAL SAFETY DATA SHEET



### SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Pur-O-Zone, Inc.  
345 N. Iowa Street, Lawrence, KS USA  
Telephone Number for information: 785-843-0771

**Product Name:** Total Alkalinity Up  
**Date Prepared:** October 2002  
Prepared by Regulatory Affairs Department

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: CAS #s	OSHA PEL	ACGIH TLV	Other Limits	% Optional
Sodium bicarbonate 000144-55-8	N/E	N/E	N/E	100

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** N/A      **Specific Gravity (H<sub>2</sub>O=1):** 2.2  
**Vapor Pressure:** N/A      **Melting Point:** N/A  
**Vapor Density:** N/A      **Evaporation Rate (Water = 1):** N/A  
**Solubility in Water:** 8.6 @68 C  
**Appearance and Odor:** White crystalline, odorless

### SECTION IV - FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** N/A      **LEL:** 1      **UEL:** 7  
**Extinguishing Media:** Use media proper to the primary cause of fire  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** Cool containers exposed to extreme heat with large quantities of water.

### SECTION V - PHYSICAL HAZARDS

**Stability:**  Unstable      **Conditions to Avoid:** N/A  
 Stable      **Conditions to Avoid:** Exposure to high temp.  
**Incompatibility (Materials to Avoid):** Acids  
**Hazardous Decomposition:** Toxic oxides of carbon, oxides of sodium.  
**Hazardous Polymerization:**  May Occur      **Conditions to Avoid:** N/A  
 Will Not Occur      **Conditions to Avoid:** N/A

### SECTION VI - HEALTH HAZARDS

**Route(s) of Entry:** Inhalation?       Skin?   
Ingestion?   
**Health Hazards (Acute and Chronic):** Eyes & Skin: Contact not expected to cause irritation. Ingestion: Small amounts not likely to cause injury. Inhalation: Not expected to have any effect.

**Carcinogenicity:** NTP? N/A  
IARC Monographs? N/A  
OSHA Regulated? N/A

**Signs and Symptoms of Exposure:** See Health Hazards  
**Medical Conditions Generally Aggravated by Exposure:** None Known  
**Emergency and First Aid Procedures:**

**Eyes:** Flush with large amount of water for at least 15 minutes, holding eyelids open. Call a physician. **Skin:** Not expected to require first aid measures. **Ingestion:** Call a physician immediately, drink 2-3 glasses of water, **do not** induce vomiting.  
**Inhalation:** Not expected to require first aid measures.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be Taken in Case Material is Released or Spilled:**  
Contain spill and ventilate area. Sweep up and put in container for disposal. Flush any remaining spill with water.

**Waste Disposal Method:**  
Dispose of inert material in a chemical landfill as permitted by all local, state and federal regulations.

**Precautions to be Taken in Handling and Storing:**  
Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Keep container tightly sealed when not in use.  
**Other Precautions:** Keep out of reach of children.

### SECTION VIII - CONTROL MEASURES

**Respiratory Protection:** None normally required with adequate room ventilation.  
**Ventilation:** Local Exhaust: N/A      Special: N/A  
Mechanical (Gen.): Satisfactory      Other: Given adequate ventilation  
**Protective Gloves:** Rubber      **Eye Protection:** Chemical splash goggles  
**Other Protective Clothing or Equipment:** Full cover clothing- Rubber apron if splashing likely - launder clothing before reuse.  
**Work/Hygiene Practices:** Wash thoroughly after handling.

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