



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
97-999-11, 97-999-21

Product Name: Cold Ster. Height Gauge

Release Date: June 26, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Cold Ster. Height Gauge	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> Aluminum. Formula: Al. Molecular weight 26-98	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 7429-90-5	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> TSCA: Product is listed	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	%	TLV	OSHA PEL	C.A.S. Number	Exposure Limits	%
Aluminum	100	10mg/m3	15 mg/m3	7429-90-5	NA	NA

## 3. Hazard Identification

<b>Emergency Overview</b> NA					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	NA	NA	NA	Particles may cause mechanical irritation to the eyes.	NA
Skin	NA	NA	NA	Particles may cause local irritation to the skin.	NA
Inhalation Yes	NA	NA	NA	Has been reported to cause pulmonary fibrosis. May be mechanically irritating to lungs and upper respiratory tract, causing coughing and sneezing.	NA
Ingestion Yes	NA	NA	NA	Ingestion in massive doses may cause gastrointestinal irritation and may be toxic.	NA
Other	Toxicity data: No specific data on this material.	NA	NA	NA	NA
<b>Medical Conditions Aggravated by Exposure</b> Respiratory disorders.					
<b>Carcinogenicity (IARC, NTP)</b> None. NTP: IARC Monographs: OSHA regulated:					
<b>Potential Environmental Effects</b> NA					

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush eyes with water for 15 mins.	Seek medical attention.	NA
Skin	Brush material off skin. Wash affected area with soap and water.	NA	NA
Inhalation	Remove victim to fresh air. Administer oxygen.	Seek medical attention.	NA
Ingestion	Induce vomiting.	Seek medical attention.	NA
Other	NA	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> NA			



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## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> °C / °F N/A	<b>Flammable (Explosive) Limits in Air</b> LEL: NA UEL: NA	<b>Autoignition Temperature</b> N/A	<b>Other</b> NA
<b>Flame Propagation or Burning</b> Flammable only as a fine dust powder	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health- 1, Flammability-2, Reactivity-1. Personal protection: J. HIMS hazard rating.	
<b>Extinguishing Media</b> Water, dry chemical.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> Do not use water. Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective clothing.			
<b>Unusual Fire and Explosion Hazards</b> Dust clouds may be explosive, molten aluminum may explode on contact with water. Damp aluminum dust may spontaneously heat with liberation of hydrogen to form explosive air mixtures.			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Wearing full protective clothing, isolate the area and insure proper ventilation. Vacuum up spill and place in a container for proper disposal. Take care not to raise dust.
<b>Evacuation Procedures</b> NA
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b> NA
<b>Storage Practices and Warnings</b> ( °C / °F). Store in tightly closed containers in a cool, dry place. Wash hands and face thoroughly. Store away from incompatible materials.

## 8. Exposure Control/Personal Protection

<b>Ventilation</b> Local exhaust: Recommended to maintain exposure below TLV	<b>Other Engineering Controls</b> Mechanical (general): Recommended. Special: Handle in controlled atmosphere.	
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	Safety glasses with side shields.	NA
<b>Skin</b>	Protective gloves: Recommended.	NA
<b>Inhalation</b>	NA	NA
<b>General Hygiene Considerations and Work Practices</b> NA		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b> NA		
<b>Other Protective Measures and Equipment</b> Maintain sink, safety shower and eyewash fountain in the work area. Wear full protective clothing at all times.		



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## 9. Physical and Chemical Characteristics

<b>Appearance</b> Color varies from dull gray to metallic silver.		<b>Odor</b> NA
<b>Normal Physical State:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> NA(Other)		<b>Boiling Point</b> 2450 °C / °F <b>Melting Point</b> 660 °C / °F <b>Freezing Point</b> °C / °F NA
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> 2.7	<b>Solubility in Water</b> Insoluble	<b>pH</b> NA
<b>Vapor Pressure (mm Hg @ 20°C)</b> 1mm @ 1284	<b>Vapor Density (AIR= 1)</b> NA	<b>Evaporation Rate (Butyl Acetate = 1)</b> N/A
<b>Other</b> % volatile by volume: N/A. Reaction with water: Moderate Soluble in HCL, H2SO4 and alkalies.		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> NA		
<b>Hazardous Products Produced During Decomposition</b> May release acrid smoke and irritating fumes.		
<b>Hazardous Polymerization?</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur		<b>Conditions to Avoid</b> °C / °F Incompatible materials, heat, flame and sparks.
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		<b>Conditions to Avoid</b> °C / °F NA

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> NA
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## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> NA
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## 13. Disposal Considerations

<b>Regulations</b> Waste disposal method: In accordance with regulations.
<b>Properties (Physical/Chemical) Affecting Disposal</b> NA

## 14. Transport Information

<b>Regulated for shipping?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA	<b>Proper Shipping Name</b> Cold Ster. Height Gauge	<b>Packing Group</b> NA	
<b>Do changes in quantity, packaging, or shipment method change product classification?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA		<b>Hazard Class</b> NA	<b>Identification Number</b> NA
<b>Other</b> DOT Class: Flammable solid. UN number: 1396. IMCO class: 4.3			



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## 15. Regulatory Information

**Federal Regulations**

NA

**International Regulations**

NA

**Other**

NA

## 16. Other Information

**Supplier Number:** 904 / 97

**Supplier Release:** November 21, 1995

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.