# Material Safety Data Sheet

## Section I. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Catalog Number</th>
<th>Supplier</th>
<th>Synonym</th>
<th>Chemical Formula</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Acid 4-Hydroxybutyl Ester (stabilized with MEHQ)</td>
<td>A1390</td>
<td>TCI America</td>
<td>4-Hydroxybutyl Acrylate</td>
<td>CH₂:CHCOO(CH₂)₄OH</td>
<td>2478-10-6</td>
</tr>
</tbody>
</table>

### In case of Emergency Call
- **Chemtrec®**
  - (U.S.) (800) 424-9300
  - (International) (703) 527-3887

## Section II. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Percent (%)</th>
<th>TLV/PEL</th>
<th>Toxicology Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Acid 4-Hydroxybutyl Ester (stabilized with MEHQ)</td>
<td>2478-10-6</td>
<td>Min. 95.0 (GC)</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

## Section III. Hazards Identification

### Acute Health Effects
Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

### Chronic Health Effects
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

## Section IV. First Aid Measures

### Eye Contact
Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper eyelids. Seek medical attention. Treat symptomatically and supportively.

### Skin Contact
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively.

### Inhalation
If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.

### Ingestion
INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

## Section V. Fire and Explosion Data

<table>
<thead>
<tr>
<th>Flammability</th>
<th>May be combustible at high temperature.</th>
<th>Auto-Ignition</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Points</td>
<td>Not available.</td>
<td>Flammable Limits</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Combustion Products
These products are toxic carbon oxides (CO, CO₂).

### Fire Hazards
No specific information is available regarding the flammability of this compound in the presence of various materials.

### Explosion Hazards
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
No additional information is available regarding the risks of explosion.

__Continued on Next Page__

Emergency phone number (800) 424-9300
Section VI. Accidental Release Measures

Spill Cleanup Instructions
Harmful material. Irritating material. Heat and light sensitive material. Refrigerate material. Lachrymatory. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

Section VII. Handling and Storage

Handling and Storage Information
HARMFUL. IRRITANT. HEAT AND LIGHT SENSITIVE. REFRIGERATE. LACHRYMATOR. Keep away from heat and sources of ignition. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. Do not breathe gas, fumes, vapor or spray. Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.

Personal Protection
Splash goggles. Lab coat. Vapor respirator. Boots. Gloves. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C
Gold liquid.

Specific Gravity
1.041

Molecular Weight
144.17

Boiling Point
95°C @ .1mm Hg (203°F)

Melting Point
Not available.

Critical Temperature
Not available.

Viscosity
Not available.

Solubility
Not available.

Partition Coefficient
Not available.

Vapor Pressure
Not available.

Vapor Density
Not available.

Volatility
Not available.

Odor
Not available.

Taste
Not available.

Section X. Stability and Reactivity Data

Stability
This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability
May polymerize on exposure to light. Avoid excessive heat and light.

Incompatibilities
Reactive with strong oxidizing agents.

Section XI. Toxicological Information

RTECS Number
Not available.

Routes of Exposure
Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data
Not available.

Chronic Toxic Effects
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.

There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Acute Toxic Effects
Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.
**Section XII. Ecological Information**

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Fate</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Section XIII. Disposal Considerations**

| Waste Disposal | Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of the substance. |

**Section XIV. Transport Information**

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>Not a DOT controlled material (United States).</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN Number</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing Group (PG)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>DOT Pictograms</td>
<td><img src="not-available.png" alt="Not Available" /></td>
</tr>
</tbody>
</table>

**Section XV. Other Regulatory Information and Pictograms**

<table>
<thead>
<tr>
<th>TSCA Chemical Inventory (EPA)</th>
<th>This compound is <strong>ON</strong> the EPA Toxic Substances Control Act (TSCA) inventory list.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification (Canada)</td>
<td>Not available.</td>
</tr>
<tr>
<td>EINECS Number (EEC)</td>
<td>219-606-3</td>
</tr>
<tr>
<td>EEC Risk Statements</td>
<td>R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin.</td>
</tr>
<tr>
<td>Japanese Regulatory Data</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Section XVI. Other Information**

**Version 1.0**  
**Validated on 7/6/1999.**  
**Printed 1/19/2005.**

**Notice to Reader**

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.