



## Material Safety Data Sheet

### 1. Product and Company Identification

Catalog Numbers: 8C1A-0  
Product Name  
Trade Name: Isobutyl(trimethoxy)silane  
Synonyms: -  
Manufacturer & Distributor  
Company Name: Reagent World, Inc.  
Address: 2048 E. Francis Street  
City: Ontario  
State: California  
Postal Code: 91761  
Country: USA  
Business/Emergency  
Phone: 909-947-7779  
Fax: 909-947-9595  
URL: <http://www.ReagentWorld.com>

### 2. Hazards Identification

Emergency Overview: Irritating to eyes and skin. Contact with water liberates toxic gas. Combustible liquid.  
Target organ(s): Eyes. Kidneys.

#### Potential Health Effects

Eye: -  
Skin: -  
Ingestion: -  
Inhalation: -  
Chronic: -

### 3. Composition/Information on Ingredients

Chemical Name: Isobutyl(trimethoxy)silane  
Molecular Formula: C<sub>7</sub>H<sub>18</sub>O<sub>3</sub>Si  
Molecular Weight: 178.3  
Content: 97%  
CAS Number: 18395-30-7  
EINECS NO. [EC No]: -

### 4. First Aid Measures

Eye: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.  
Skin: In case of contact, immediately wash skin with soap and copious amounts of water.  
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.  
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

### 5. Fire Fighting Measures

General Information: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.  
Extinguishing: Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

### 6. Accidental Release Measures

General Information: Use proper personal protective equipment as listed in Section 8.  
Spills/Leaks: Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

### 7. Handling and Storage

Handling: Refer to section 8  
Storage: 1. Keep in a cool, dry place  
2. Keep container tightly closed  
3. Keep away from heat, sparks, and flame

### 8. Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility.

#### Personal Protective Equipment

Eyes: Wear chemical safety goggles.  
Skin: Wear appropriate protective gloves.  
Clothing: Wear appropriate protective clothing.  
Respirators: Wear NIOSH/MSHA - approved respirator

### 9. Physical and Chemical Properties

Physical State: Clear liquid  
Color: Colorless  
Odor: -  
Boiling Point: 154  
Melting Point: -  
Vapor Pressure: -  
Specific Gravity: 0.93  
PH: -  
Solubility in Water: -  
Flash Point: 109.4 °F 43 °C  
Autoignition Temperature: -  
Decomposition Temperature: -

### 10. Stability and Reactivity

Chemical Stability: Stable.

Conditions to Avoid: -

Incompatibilities with Other: Strong oxidizing agents, Acids.May decompose on exposure to moist air or water.

Hazardous Decomposition Products : Carbon monoxide, Carbon dioxide, Silicon oxide.

Polymerization : Will not occur

**11. Toxicological Information**

RTECS#: -

Toxicity Data[LD50/LC50]: -

Carcinogenicity: -

Other: -

**12. Ecological Information**

Ecotoxicity: -

Other: -

**13. Disposal Considerations**

Disposal considerations: Contact a licensed professional waste disposal service to dispose of this material in a manner consistent with federal, state and local environmental regulations

**14. Transport Information**

Shipping Name: Flammable liquids, n.o.s.

Hazard Class: 3

UN Number: 1993

Packing Group: III

**15. Regulatory Information**

European/International Regulations: -

**European Labeling in Accordance with EC Directives**

Hazard Symbols: 1.Xn

R-Phrases: 1.Flammable.  
2.Harmful by inhalation.  
3.Harmful if swallowed.  
4.Irritating to eyes.  
5.Irritating to respiratory system.  
6.Irritating to skin.

S-Phrases: 1.Keep away from sources of ignition - No smoking.  
2.Avoid contact with skin. S24/25 Avoid contact with skin and eyes.  
3.In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
4.In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
5.Keep container tightly closed.

WGK(Water Danger/Protection): 1

US Federal TSCA: -

**16. Other Information**

Other information: The above information is believed to be accurate but does not suppose to be all inclusive and shall be used only as a guide. Reagent World makes no warranty of merchantability or any other warranty, express or implied, with respect to such information. Users should make their own investigations to determine the accountability of the information for their purposes in particular. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential of exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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