SECTION 1: Identification

1.1. Identification

Product name: 3-ISOCYANATOPROPYL METHYLDIMETHOXYSILANE, tech-95
Product code: SII6454.5
Product form: Substance
Physical state: Liquid
Formula: C7H15NO3Si
Synonyms: METHYLDIMETHOXYISILYLPROPYLISOCYANATE; 3-(DIMETHOXYISILYL)PROPYL ISOCYANATE
Chemical family: ORGANOMETHOXYSILANE

1.2. Recommended use and restrictions on use

Recommended use: Chemical intermediate

1.3. Supplier

GELEST, INC.
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids Category 4 H227 Combustible liquid
Skin corrosion/irritation Category 1C H314 Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US): 

Signal word (GHS US): Danger

Hazard statements (GHS US): H227 - Combustible liquid
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS US): P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210 - Keep away from heat, open flames, sparks. - No smoking.
P260 - Do not breathe vapors.
P264 - Wash hands thoroughly after handling.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present a
nd easy to do. Continue rinsing.
P310 - Immediately call a doctor.
P321 - Specific treatment (see first aid instructions on this label).
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish.
P403+P235 - Keep in a cool place.
P405 - Store locked up.
P501 - Dispose of contents/container to licensed waste disposal facility.

2.3. Hazards not otherwise classified (HNOC)

Other hazards not contributing to the classification: Additional methanol may be formed by reaction with moisture and water. The US OSHA PEL (TWA) for methanol is 200 ppm.
3-ISOCYANATOPROPYL METHYLDIMETHOXY SILANE, tech-95
Safety Data Sheet

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type: Mono-constituent
Name: 3-ISOCYANATOPROPYL METHYLDIMETHOXY SILANE, tech-95
CAS-No.: 26115-72-0

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-isocyanatopropylmethyldimethoxysilane</td>
<td>(CAS-No.) 26115-72-0</td>
<td>95 - 100</td>
<td>Flam. Liq. 4, H227</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1C, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures
Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with plenty of soap and water. Get immediate medical advice/attention.

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects: Causes severe skin burns and eye damage.
Symptoms/effects after inhalation: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact: Causes (severe) skin burns. Skin contact may cause sensitization or an allergic reaction.
Symptoms/effects after eye contact: Causes serious eye damage.
Symptoms/effects after ingestion: May be harmful if swallowed.

Chronic symptoms: On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision.

4.3. Immediate medical attention and special treatment, if necessary

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Unsuitable extinguishing media: Do not use straight streams.

5.2. Specific hazards arising from the chemical

Fire hazard: Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
Reactivity: Can react exothermically with amines.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Protective equipment: Wear protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

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EN (English US)  SDS ID:  SII6454.5
### 6.1.2. For emergency responders

| Protective equipment | Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

| For containment | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools. |

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

| Additional hazards when processed | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| Precautions for safe handling | Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and receiving equipment. Provide good ventilation in process area to prevent accumulation of vapors. |
| Hygiene measures | Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

#### 7.2. Conditions for safe storage, including any incompatibilities

| Storage conditions | Keep container tightly closed. Keep in a cool place. Store locked up. |
| Storage area | Store in a well-ventilated place. Store away from heat. |

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls: Provide local exhaust or general room ventilation.

#### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Hand protection:**

Neoprene or nitrile rubber gloves

**Eye protection:**

Chemical goggles or face shield. Contact lenses should not be worn

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified combination organic vapor - gas (yellow cartridge) respirator.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

| Physical state | Liquid |
| Appearance | Clear liquid. |
| Molecular mass | 189.29 g/mol |
| Color | Straw. |
| Odor | Mild. |
| Odor threshold | No data available |
**3-ISOCYANATO-2-METHYL-3-PHENYLPROPANE**

**Safety Data Sheet**

### 1. Identification

**3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE, tech-95**

**Product name:** 3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE, tech-95

**Chemical identification:** 3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE, tech-95

**Supplier:** [Supplier Name]

**Address:** [Supplier Address]

**Telephone:** [Supplier Phone]

**Fax:** [Supplier Fax]

**E-mail:** [Supplier Email]

**Web:** [Supplier Website]

**GHS Classification:**

- **Hazard class:** [Specify hazard class]
- **Hazard statements:** [List hazard statements]
- **Precautionary statements:** [List precautionary statements]

**.print date:** 04/10/2019

**EN (English US)**

**SDS ID:** SII6454.5

### 2. Hazard Identification

**Exposure controls and personal protection:**

- **Respiratory protection:** [Specify respiratory protection]
- **Eye protection:** [Specify eye protection]
- **Skin protection:** [Specify skin protection]
- **General protective measures:** [Specify general protective measures]

**Physical and chemical properties:**

<table>
<thead>
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<th>Value</th>
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<tr>
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<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>&lt; 1</td>
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<tr>
<td>Melting point</td>
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<tr>
<td>Freezing point</td>
<td>&lt; 0 °C</td>
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<tr>
<td>Boiling point</td>
<td>61 °C @ 1 mm Hg</td>
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<tr>
<td>Flash point</td>
<td>&gt; 65 °C</td>
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<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Vapor pressure</td>
<td>&lt; 1 mm Hg @ 20°C</td>
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<tr>
<td>Relative vapor density at 20 °C</td>
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<tr>
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<tr>
<td>Solubility</td>
<td>Reacts with water.</td>
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<tr>
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</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
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<tr>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 3. Danger Synonyms

- [List danger synonyms]

### 4. First Aid Measures

**Instructions for first aid and emergency treatment:**

- **Eye contact:** [Describe eye contact treatment]
- **Skin contact:** [Describe skin contact treatment]
- **Inhalation:** [Describe inhalation treatment]
- **Ingestion:** [Describe ingestion treatment]

### 5. Fire-fighting measures

**Extinguishing media:**

- **Suitable:** [Specify suitable extinguishing media]
- **Inconclusive:** [Specify inconclusive extinguishing media]

**Special hazards:**

- [List special hazards]

### 6. Accidental release measures

**Emergency procedures:**

- **Collection:** [Describe collection procedures]
- **Transport:** [Describe transport procedures]
- **Disposal:** [Describe disposal procedures]

**Handling and storage:**

- **Precautions for storage:** [Specify precautions for storage]
- **Stability:** [Specify stability]
- **Incompatibilities:** [Specify incompatibilities]
- **Hazardous decomposition products:** [Specify hazardous decomposition products]

### 7. Handling and storage

**Precautions for use:**

- **Precautions for use:** [Specify precautions for use]
- **Safe disposal:** [Specify safe disposal]

**Precautions to be taken in handling and storing:**

- **Precautions to be taken in handling and storing:** [Specify precautions to be taken in handling and storing]

### 8. Exposure controls and personal protection

**Hygienic practices:**

- **Hygienic practices:** [Specify hygienic practices]

**Personal protective equipment:**

- **Respiratory protection:** [Specify respiratory protection]
- **Eye protection:** [Specify eye protection]
- **Skin protection:** [Specify skin protection]
- **General protective measures:** [Specify general protective measures]

### 9. Physical and chemical properties

- **Vapor pressure:** [Specify vapor pressure]
- **Relative density:** [Specify relative density]
- **Solubility:** [Specify solubility]
- **Log Pow:** [Specify log Pow]
- **Log Kow:** [Specify log Kow]
- **Viscosity, kinematic:** [Specify viscosity, kinematic]
- **Viscosity, dynamic:** [Specify viscosity, dynamic]
- **Explosive properties:** [Specify explosive properties]
- **Oxidizing properties:** [Specify oxidizing properties]
- **Explosion limits:** [Specify explosion limits]

### 10. Stability and reactivity

**Stability and reactivity:**

- **Stability:** [Specify stability]
- **Reactivity:** [Specify reactivity]
- **Chemical stability:** [Specify chemical stability]
- **Effects of temperature and moisture:** [Specify effects of temperature and moisture]
- **Decomposition temperature:** [Specify decomposition temperature]
- **Auto-ignition temperature:** [Specify auto-ignition temperature]
- **Flash point:** [Specify flash point]
- **Decomposition temperature:** [Specify decomposition temperature]
- **Flammability (solid, gas):** [Specify flammability (solid, gas)]
- **Explosion risk:** [Specify explosion risk]
- **Oxidizing properties:** [Specify oxidizing properties]
- **Specific target organ toxicity:** [Specify specific target organ toxicity]
- **Incompatibilities:** [Specify incompatibilities]
- **Hazardous decomposition products:** [Specify hazardous decomposition products]

### 11. Toxicological information

**Toxicological information:**

- **Information on toxicological effects:**
  - Acute toxicity: Not classified
  - Skin corrosion/irritation: Causes severe skin burns and eye damage.
  - Serious eye damage/irritation: Causes serious eye damage.
  - Respiratory or skin sensitization: Not classified
  - Germ cell mutagenicity: Not classified
  - Carcinogenicity: Not classified
  - Reproductive toxicity: Not classified
  - Specific target organ toxicity – single exposure: Not classified
  - Specific target organ toxicity – repeated exposure: Not classified
  - Aspiration hazard: Not classified
  - Potential Adverse human health effects and symptoms: This material liberates small amounts of methanol on contact with moisture. Material generates methanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue.
  - Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

**Additional information:**

- **Other information:** No additional information available

**SECTION 12: Ecological information

**Ecological information:**

- **Biodegradability:** [Specify biodegradability]
- **Toxicity:** [Specify toxicity]
- **Bioaccumulation:** [Specify bioaccumulation]
- **Persistence:** [Specify persistence]
- **Mobility:** [Specify mobility]

**SECTION 13: Disposal considerations

**Disposal considerations:**

- **Disposal methods:** [Specify disposal methods]
- **Transport:** [Specify transport]

**SECTION 14: Transport information

**Transport information:**

- **Transport regulations:** [Specify transport regulations]
- **Packaging information:** [Specify packaging information]
- **Marking:** [Specify marking]

**SECTION 15: Regulatory information

**Regulatory information:**

- **Regulatory status:** [Specify regulatory status]
- **Controlled substances:** [Specify controlled substances]
- **Exemptions:** [Specify exemptions]
- **Laboratory safety:** [Specify laboratory safety]

**SECTION 16: Other information

No additional information available

**Print date:** 04/10/2019

**EN (English US)**

**SDS ID:** SII6454.5

4/7
3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE, tech-95
Safety Data Sheet

Symptoms/effects after skin contact: Causes (severe) skin burns. Skin contact may cause sensitization or an allergic reaction.
Symptoms/effects after eye contact: Causes serious eye damage.
Symptoms/effects after ingestion: May be harmful if swallowed.
Chronic symptoms: On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may affect the central nervous system resulting in persistent or recurring headaches or impaired vision.
Reason for classification: Expert judgment

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other adverse effects: This substance may be hazardous to the environment.
Effect on the ozone layer: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods
Sewage disposal recommendations: Do not dispose of waste into sewer.
Product/Packaging disposal recommendations: May be incinerated. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number
UN-No.(DOT): 1760
DOT NA no.: UN1760

14.2. UN proper shipping name
Transport document description: UN1760 Corrosive liquids, n.o.s. (3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE), 8, III
Proper Shipping Name (DOT): Corrosive liquids, n.o.s. (3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE)
Class (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136
Packing group (DOT): III - Minor Danger
Hazard labels (DOT): 8 - Corrosive

DOT Packaging Non Bulk (49 CFR 173.xxx): 203
DOT Packaging Bulk (49 CFR 173.xxx): 241
DOT Packaging Exceptions (49 CFR 173.xxx): 154
DOT Symbols: G - Identifies PSN requiring a technical name

14.3. Additional information
Emergency Response Guide (ERG) Number: 154
Other information: No supplementary information available.

Transport by sea
DOT Vessel Stowage Location: A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other: 40 - Stow “clear of living quarters”
Air transport
DOT Quantity Limitations Passenger aircraft/rail : 5 L
(49 CFR 173.27)
DOT Quantity Limitations Cargo aircraft only (49 : 60 L
CFR 175.75)

SECTION 15: Regulatory information
15.1. US Federal regulations
<table>
<thead>
<tr>
<th>3-ISOCYANATOPROPYLMETHYLDIMETHOXYSILANE, tech-95 (26115-72-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA Exemption/Exclusion</td>
</tr>
</tbody>
</table>

3-Isocyanatopropylmethyldimethoxysilane (26115-72-0)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
No additional information available
EU-Regulations
No additional information available
National regulations
No additional information available

15.3. US State regulations
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information
Full text of H-phrases::

<table>
<thead>
<tr>
<th>H227</th>
<th>Combustible liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:
Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

Hazard Rating
Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Prepared by safety and environmental affairs.
Date of issue: 02/02/2016 Version: 1.0

SDS US (GHS HazCom 2012) - Custom
Print date: 04/10/2019 EN (English US) SDS ID: SII6454.5
3-ISOCYANATOPROPYL METHYLDIMETHOXY SILANE, tech-95
Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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