

## Material Safety Data Sheet. No: SD2125-R00

### Section 1 : Chemical Identification

|                       |           |              |   |
|-----------------------|-----------|--------------|---|
| <b>Catalogue No.:</b> | 2125-XXXX | <b>Name:</b> | 5'-Thiol-Modifier C6-CE Phosphoramidite |
|-----------------------|-----------|--------------|---|

### Section 2 : Composition/information on Ingredients

| Chemical Name   | CAS No. | EINECS No. |
|---|---------|------------|
| (S-Trityl-6-mercaptohexyl)-[(2-cyanoethyl)-(N,N-diisopropyl)]-phosphoramidite | N/A     | N/A        |

### Section 3 : Hazards Identification

|                               |   |
|-------------------------------|---|
| <b>Main Hazard</b>            | May be harmful by inhalation, ingestion or skin absorption. Potential hazards unknown, exercise due care. |
| <b>Other Specific Hazards</b> | N/A   |

### Section 4 : First Aid Measures

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. OBTAIN MEDICAL ATTENTION               |
| <b>Skin</b>       | In case of contact, remove contaminated clothing, immediately wash skin with soap and copious amounts of water. OBTAIN MEDICAL ATTENTION |
| <b>Ingestion</b>  | Wash out mouth with water provided person is conscious. OBTAIN MEDICAL ATTENTION   |
| <b>Inhalation</b> | Remove to fresh air. If not breathing give artificial respiration. OBTAIN MEDICAL ATTENTION.   |

### Section 5 : Fire Fighting Measures

|   |  |
|---|--|
| <b>Extinguishing Media</b>                    | Carbon dioxide, dry chemical powder or appropriate foam.                 |
| <b>Special Hazards of Product</b>             | N/A  |
| <b>Protective Equipment for Fire Fighting</b> | Wear mask and protective clothing to prevent contact with skin and eyes. |

### Section 6 : Accidental Release Measures

|                            |  |
|----------------------------|--|
| <b>Personal Protection</b> | Wear protective clothing, respirator, chemical safety goggles, rubber gloves and rubber boots.   |
| <b>Leaks and Spills</b>    | Clean the contaminated area thoroughly with a suitable solvent and absorbent material taking care to avoid breathing fumes. Dispose of all cleaning materials with care (see section 13) |

### Section 7 : Handling and Storage

|                 |  |
|-----------------|--|
| <b>Handling</b> | Wear protective clothing, gloves and safety goggles. Use in a fume extracted cabinet. Avoid contact with eyes skin and clothing. Wash thoroughly after handling. |
| <b>Storage</b>  | Keep container closed. Store in a freezer protected from moisture at -20°C   |

### Section 8 : Exposure controls/Personal Protection

|                            |                            |
|----------------------------|----------------------------|
| <b>Exposure Controls</b>   | See Sections 7 and 8 above |
| <b>Personal Protection</b> | See Sections 7 and 8 above |

## Section 9 : Physical and Chemical Properties

|                           |  |                                   |  |
|---------------------------|--|-----------------------------------|--|
| <b>Physical State</b>     | Colourless to light yellow/green oil                             |                                   |  |
| <b>Melting Point</b>      | N/A  | <b>Boiling Point</b>              | Decomposes                               |
| <b>Flash Point</b>        | N/A  | <b>Explosion Limits</b>           |  |
| <b>Solubility (Water)</b> | Insoluble  | <b>Solubility (Org. Solvents)</b> | Soluble in Acetonitrile, dichloromethane |
| <b>Chemical Formula</b>   | C <sub>34</sub> H <sub>45</sub> N <sub>2</sub> O <sub>2</sub> PS | <b>Molecular Weight</b>           | 576.78                                   |
| <b>Other Information</b>  | N/A  |                                   |  |

## Section 10 : Stability and Reactivity

|   |  |
|---|--|
| <b>Chemical Stability</b>                             | Stable   |
| <b>Incompatibilities</b>                              | Oxidising agents, reducing agents, bases, strong acids |
| <b>Hazardous Decomposition or Combustion Products</b> | Carbon dioxide, carbon monoxide, nitrogen oxides       |
| <b>Hazardous Polymerisation</b>                       | None known   |

## Section 11 : Toxicological Data

|                                 |  |
|---------------------------------|--|
| <b>Toxic Effects</b>            | To the best of our knowledge the chemical physical and toxicological properties of this substance have not been investigated. Material should be handled with care to avoid any unnecessary exposure |
| <b>Other Toxicological Data</b> | N/A  |

## Section 12 : Ecological Information

Data not yet available. In use, caution should be exercised to minimise release into the environment by using appropriate containment procedures

## Section 13 : Disposal Information

Dispose by incineration at high temperature in an approved incinerator fitted with appropriate environmental protection equipment. Dispose of in accordance with all applicable Local, National, State and Federal regulations. Labels should not be removed from containers until they have been thoroughly cleaned in an appropriate manner. Containers should not be treated as domestic waste and disposed of appropriately. Always use an approved disposal company.

## Section 14 : Transport Information

|                     |                                |                 |     |                       |     |
|---------------------|--------------------------------|-----------------|-----|-----------------------|-----|
| <b>UN No.</b>       | N/A                            | <b>UN Class</b> | N/A | <b>UN Packing Gp.</b> | N/A |
| <b>Road Freight</b> | Non-hazardous for road freight |                 |     |                       |     |
| <b>Sea Freight</b>  | Non-hazardous for sea freight  |                 |     |                       |     |
| <b>Air Freight</b>  | Non-hazardous for air freight  |                 |     |                       |     |

## Section 15 : Regulatory Information

### European Information:

|                  |  |
|------------------|--|
| <b>R Phrases</b> | R20/22 Harmful. Harmful by inhalation and if swallowed |
| <b>S Phrases</b> | S36 Wear suitable protective clothing                  |

## Section 16 : Other information

|                          |       |                           |       |                     |     |
|--------------------------|-------|---------------------------|-------|---------------------|-----|
| <b>MSDS First Issued</b> | Mar10 | <b>MSDS Last Revision</b> | Mar10 | <b>MSDS Version</b> | R00 |
|--------------------------|-------|---------------------------|-------|---------------------|-----|

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