

## Material Safety Data Sheet. No: SD2101-R00

### Section 1 : Chemical Identification

|                       |           |              |     |
|-----------------------|-----------|--------------|-----|
| <b>Catalogue No.:</b> | 2101-XXXX | <b>Name:</b> | CPR |
|-----------------------|-----------|--------------|-----|

### Section 2 : Composition/information on Ingredients

| Chemical Name  | CAS No.     | EINECS No. |
|--|-------------|------------|
| 2-[2-(4,4'-Dimethoxytrityloxy)ethylsulfonyl]ethyl-(2-cyanoethyl)-(N,N-diisopropyl)-phosphoramidite | 108783-02-4 | 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> | None known.   |

### 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>  | Induce vomiting and wash out mouth with water, provided the person is conscious. OBTAIN MEDICAL ATTENTION                                |
| <b>Inhalation</b> | Immediately 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>             | May produce dangerous oxides of nitrogen during combustion or on heating |
| <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>    | Mix with inert adsorbent, sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill |

### Section 7 : Handling and Storage

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

### Section 8 : Exposure controls/Personal Protection

|                            |   |
|----------------------------|---|
| <b>Exposure Controls</b>   | Always use adequate fume extraction and keep storage vessels closed when not in use. See also sections 6 and 7 above.     |
| <b>Personal Protection</b> | Protective gloves, goggles or laboratory safety spectacles and clothing are recommended. See also sections 6 and 7 above. |

## Section 9 : Physical and Chemical Properties

|                           |  |                                   |                      |
|---------------------------|--|-----------------------------------|----------------------|
| <b>Physical State</b>     | Colourless glass   |                                   |                      |
| <b>Melting Point</b>      | Decomposes   | <b>Boiling Point</b>              | N/A                  |
| <b>Flash Point</b>        | N/A  | <b>Explosion Limits</b>           | N/A                  |
| <b>Solubility (Water)</b> | Insoluble  | <b>Solubility (Org. Solvents)</b> | Soluble acetonitrile |
| <b>Chemical Formula</b>   | C <sub>34</sub> H <sub>45</sub> N <sub>2</sub> O <sub>7</sub> PS | <b>Molecular Weight</b>           | 656.77               |
| <b>Other Information</b>  | N/A  |                                   |                      |

## Section 10 : Stability and Reactivity

|   |   |
|---|---|
| <b>Chemical Stability</b>                             | Stable under normal temperatures and pressures                                      |
| <b>Incompatibilities</b>                              | N/A   |
| <b>Hazardous Decomposition or Combustion Products</b> | Toxic oxides of nitrogen may be produced on combustion or heating to decomposition. |
| <b>Hazardous Polymerisation</b>                       | Will not occur under normal conditions  |

## Section 11 : Toxicological Data

|                                 |               |
|---------------------------------|---------------|
| <b>Toxic Effects</b>            | None specific |
| <b>Other Toxicological Data</b> | Not available |

## 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> | Not hazardous for road transport |                 |     |                       |     |
| <b>Sea Freight</b>  | Not hazardous for Sea Freight    |                 |     |                       |     |
| <b>Air Freight</b>  | Not hazardous for Air Transport  |                 |     |                       |     |

## Section 15 : Regulatory Information

### European Information:

|                  |   |
|------------------|---|
| <b>R Phrases</b> | R20/22 - Harmful. Harmful by inhalation and if swallowed  |
| <b>S Phrases</b> | S26 In case of contact with eye, rinse immediately with plenty of water and seek medical advice |

## Section 16 : Other information

|                          |        |                           |        |                     |     |
|--------------------------|--------|---------------------------|--------|---------------------|-----|
| <b>MSDS First Issued</b> | Oct-07 | <b>MSDS Last Revision</b> | Oct-07 | <b>MSDS Version</b> | R00 |
|--------------------------|--------|---------------------------|--------|---------------------|-----|

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