

## Material Safety Data Sheet. No: SD0023-R00

### Section 1 : Chemical Identification

|                       |      |              |                      |
|-----------------------|------|--------------|----------------------|
| <b>Catalogue No.:</b> | 0023 | <b>Name:</b> | Sulphurising Reagent |
|-----------------------|------|--------------|----------------------|

### Section 2 : Composition/information on Ingredients

| Chemical Name                          | CAS No.    | EINECS No. |
|--|------------|------------|
| 3H-1,2-Benzodithiole-3-one-1,1-dioxide | 66304-01-6 | 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>  | Induce vomiting and washout mouth with water provided the person is conscious. OBTAIN MEDICAL ATTENTION                                  |
| <b>Inhalation</b> | Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.                                |

### 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>    | 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 extraction cabinet. Avoid contact with eyes, skin and clothing. Avoid inhalation. Wash thoroughly after handling |
| <b>Storage</b>  | Store desiccated at 0°C. Solutions in acetonitrile must be stored in silanized glassware.   |

### Section 8 : Exposure controls/Personal Protection

|                            |                     |
|----------------------------|---------------------|
| <b>Exposure Controls</b>   | See Section 7 above |
| <b>Personal Protection</b> | See Section 7 above |

## Section 9 : Physical and Chemical Properties

|                           |   |                                   |                         |
|---------------------------|---|-----------------------------------|-------------------------|
| <b>Physical State</b>     | White crystalline powder                                    |                                   |                         |
| <b>Melting Point</b>      | 97-101°C  | <b>Boiling Point</b>              | N/A                     |
| <b>Flash Point</b>        | N/A   | <b>Explosion Limits</b>           | N/A                     |
| <b>Solubility (Water)</b> | <0.1g   | <b>Solubility (Org. Solvents)</b> | Soluble in acetonitrile |
| <b>Chemical Formula</b>   | C <sub>7</sub> H <sub>4</sub> O <sub>3</sub> S <sub>2</sub> | <b>Molecular Weight</b>           | 200.23                  |
| <b>Other Information</b>  |   |                                   |                         |

## Section 10 : Stability and Reactivity

|   |   |
|---|---|
| <b>Chemical Stability</b>                             | Stable  |
| <b>Incompatibilities</b>                              | Protonated solvents, alcohols   |
| <b>Hazardous Decomposition or Combustion Products</b> | Formation of toxic gasses is possible during heating or in case of fire |
| <b>Hazardous Polymerisation</b>                       | Will not occur  |

## 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. Handle with care to avoid all unnecessary exposure and release into the atmosphere. |
| <b>Other Toxicological Data</b> | To the best of our knowledge the chemical physical and toxicological properties of this material have not been investigated.   |

## 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> | 3 <sup>rd</sup> April 2006 | <b>MSDS Last Revision</b> |  | <b>MSDS Version</b> | R00 |
|--------------------------|----------------------------|---------------------------|--|---------------------|-----|

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