

# Material Safety Data Sheet

## Section 1 : Chemical Product Company Identification

|                                 |   |
|---------------------------------|---|
| Product Name                    | Candesartan Bromo N2-Trityl Impurity  |
| CAS No.                         | 133051-88-4   |
| Identified uses                 | Pharmaceutical Reference Standard   |
| Details of the Supplier Company | SynZeal Research Pvt Ltd<br>Plot No. F, Ganesh Industrial Estate<br>423/24/8, MahagujaratInd Estate<br>Sarkhej-Bavla Road,<br>Ahmedabad-382 213.<br>Gujarat, India. |
| Telephone                       | +91-79410 57012   |

## Section 2 : Chemical Information

|                   |   |
|-------------------|---|
| Chemical Name     |   |
| CAS No.           | 133051-88-4   |
| Synonyms          | Irbesartan Bromo N2-Trityl Impurity ; Losartan Bromo N2-Trityl Impurity ; Olmesartan Bromo N2-Trityl Impurity ; Valsartan Bromo N2-Trityl Impurity ; 5-(4'-(Bromomethyl)(1,1'-biphenyl)-2-yl)-2-trityl-2H-tetrazole ; |
| Molecular Weight  | 557.48  |
| Molecular Formula | C33H25BrN4  |

## Section 3 : Hazards Identification

### Emergency Overview:

|               |             |
|---------------|-------------|
| Appearance    | White Solid |
| Target Organs | NA          |

### Potential Health Effects:

|            |     |
|------------|-----|
| Eye        | NIL |
| Skin       | NIL |
| Ingestion  | NIL |
| Inhalation | NIL |
| Chronic    | NIL |

## Section 4 : First Aid Measures

|           |  |
|-----------|--|
| Eye       | Wash with plenty of water              |
| Skin      | Wash with plenty of water              |
| Ingestion | Medical assistance for gastric lavage. |

|                    |   |
|--------------------|---|
| Inhalation         | Remove to fresh air, artificial respiration or oxygen if necessary.                             |
| Notes to Physician | Candesartan Bromo N2-Trityl Impurity can be washed with plenty of water in case of any exposure |

### Section 5 : Firefighting Measures

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Carbon dioxide, dry chemical powder, foam, water. |
| Unusual Fire and Explosion Hazards | None indicated                                    |

### Section 6 : Accidental Release Measures

|                      |  |
|----------------------|--|
| Personal Precautions | Wear self-contained breathing apparatus, avoid dust formation. |
| Spills/Leaks         | Wash with plenty of water, provide adequate ventilation.       |

### Section 7 : Handlings and Storage

|          |                                   |
|----------|-----------------------------------|
| Handling | Wear surgical gloves              |
| Storage  | Can be stored at room temperature |

### Section 8 : Exposure Controls, Personal Protection

|                            |                                    |
|----------------------------|------------------------------------|
| Respiratory Protection     | Self-contained breathing apparatus |
| Exposure Limits            | NA                                 |
| Eye Protection             | Wear safety goggles                |
| Other Protective Equipment | Protective clothing                |
| Skin                       | Full sleeves apron                 |
| Clothing                   | Cotton                             |

### Section 9 : Physical and Chemical Properties

|                  |             |
|------------------|-------------|
| Appearance       | White Solid |
| Odor             | Odor less   |
| Melting Point    | NA          |
| pH               | Basic       |
| Vapor Pressure   | NA          |
| Vapor Density    | NA          |
| Evaporation Rate | NA          |
| Viscosity        | NA          |
| Boiling Point    | NA          |

|                          |                      |
|--------------------------|----------------------|
| Decomposition Temp       | NA                   |
| Auto ignition Temp.      | NA                   |
| Flash Point              | NA                   |
| NFPA Rating              | NA                   |
| <b>Explosion Limits</b>  |                      |
| Lower                    | NA                   |
| Upper                    | NA                   |
| Solubility               | Chloroform, Methanol |
| Specific Gravity/Density | NA                   |

### Section 10 : Stability and Reactivity

|  |                        |
|--|------------------------|
| Chemical Stability                     | Stable                 |
| Conditions to avoid                    | Direct contact to skin |
| Incompatibilities with other Materials | Keep away              |
| Hazardous Decomposition Products       | NIL                    |
| Hazardous Polymerization               | NIL                    |

### Section 11 : Toxicological Information

|                      |     |
|----------------------|-----|
| CAS                  | NA  |
| LD50/LC50            | NA  |
| Carcinogenicity      | NIL |
| Epidemiology         | NIL |
| Teratogenicity       | NIL |
| Reproductive Effects | NIL |
| Neurotoxicity        | NIL |
| Mutagenicity         | NIL |
| Other Studies        | NA  |

### Section 12 : Ecological Information

Data not available

### Section 13 : Disposal Consideration

|               |                    |
|---------------|--------------------|
| RCRA P-Series | Can be incinerated |
| RCRA U-Series | NA                 |

