



G. AMPHRAY LABORATORIES

| Copper Iodide CAS No. 7681-65-4 CuI | | Product Data Sheet Molecular Weight : 190.45 | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------|---------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|------------|----------------------------|----------|-----------------------|---------------|----------------------|----------------|----------------------|------------------------|----------------------|----------------------------------|--|---------------|---------------------------------|--------------|----------------------|
| INFORMATION OF THE PRODUCT | | | | | | | | | | | | | | | | | | | | | |
| Sr.No. | Information | | | | | | | | | | | | | | | | | | | | |
| 1 | Name of the Product | : | Copper Iodide | | | | | | | | | | | | | | | | | | |
| 2 | Structure | : | CuI | | | | | | | | | | | | | | | | | | |
| 3 | Composition | : | It is composition of copper and Iodine | | | | | | | | | | | | | | | | | | |
| 4 | Chemical Name (IUPAC) | : | Copper Iodide | | | | | | | | | | | | | | | | | | |
| 5 | Properties | : | Organic synthesis ,cloud seeding | | | | | | | | | | | | | | | | | | |
| 6 | Specification | | <table><tbody><tr><td>Description</td><td>Off white amorphous powder.</td></tr><tr><td>Solubility</td><td>Soluble in Liquor Ammonia.</td></tr><tr><td>Sulphate</td><td>Not more than 150 ppm</td></tr><tr><td>Foreign mater</td><td>Not more than 0.05 %</td></tr><tr><td>Loss on drying</td><td>Not more than 0.5 %.</td></tr><tr><td>Assay (on dried basis)</td><td>Not Less Than 99.0%.</td></tr><tr><td colspan="2">Additional In-house tests</td></tr><tr><td>Particle size</td><td>~ 100 % passing through 20 mesh</td></tr><tr><td>Bulk density</td><td>~ 2.0 g/ml (Approx.)</td></tr></tbody></table> | Description | Off white amorphous powder. | Solubility | Soluble in Liquor Ammonia. | Sulphate | Not more than 150 ppm | Foreign mater | Not more than 0.05 % | Loss on drying | Not more than 0.5 %. | Assay (on dried basis) | Not Less Than 99.0%. | Additional In-house tests | | Particle size | ~ 100 % passing through 20 mesh | Bulk density | ~ 2.0 g/ml (Approx.) |
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| Bulk density | ~ 2.0 g/ml (Approx.) | | | | | | | | | | | | | | | | | | | | |
| 7 | Uses | : | It is used reagent in organic synthesis, used as a cloud seeding, used as a stabilizer in nylon, carpet, automotive industries. It is used as dietary iodine in table salt and in animal feed. Used in the detection of mercury. Ref .Wikipedia | | | | | | | | | | | | | | | | | | |
| 8 | Packing | : | 25 kg net HDPE Drums with inner liner. 25 kg net UN Approved HDPE Drums with inner liner - Class 9 UN 3077 | | | | | | | | | | | | | | | | | | |
| 9 | Shelf life | : | No Expiry Date | | | | | | | | | | | | | | | | | | |
| 10 | Storage | : | Store in closed container in cool, dry place & protect from light, heat dust & other contaminants. | | | | | | | | | | | | | | | | | | |