



MATERIAL SAFE DATA SHEET

Part I. Product and Company Information

- **Product Name:** *CASRI WATER DETECTOR*
- **Company:** The Second Research Institute of Civil Aviation Administration of China
- **Contact:**
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Part II. Composition/Information on Ingredients

- **Ingredient Information:**
Water-Sensitive Paper which include Ferrous Chloride, Ferrous Sulfate, Potassium Ferricyanide, and Filter Paper.
- Plastic Assembly whose main material is Cellulose Acetate.

Part III. Hazards Identification

- **Inhalation :** Considered to be non-hazardous.
- **Eyes:** Not applicable.
- **Skin:** Not applicable.
- **Ingestion:** Harmful if swallowed.

Part IV. First Aid Measures

- **Swallow:** Never give anything by mouth to an unconscious person. Consult a physician.



- **Skin contact:** Remove contaminated clothing. Wash off in flowing water.

Part V. Fire Fighting Measures

- **Auto ignition temperature:** No data.
- **Explosion limits:** No data.
- **Specific firefighting procedures:** None.
- **Unusual fire hazards:** The product may become combustible after prolonged heating.
- **Extinguishing media:** Foam, CO₂, powder and water.
- **Hazardous decomposition products:** Incomplete combustion may produce Carbon Monoxide and other harmful gases/vapors.

Part VI. Accidental Release Measures

If the material is released, dispose into special waste bin.

Part VII. Handling and Storage

- **Handling:** Do not swallow.
Do not littered especially on parking apron, and should be treated as solid waste appropriately.
CASRI must be kept out of the reach of children.
- **Storage:** Keep the container closed tightly. The product is hygroscopic and should be stored in a dry location. Drying oven and desiccator are recommended. Recommended storage temperature: 5-30°C. Recommended relative humidity is below 60%.

Part VIII. Exposure Controls/ Personal Protection

Gloves and protective overalls are recommended if prolonged contact is possible.

Use proper hygiene and industrial practices, keeping working clothes clean.



Part IX. Physical and Chemical Properties

- **Form:** Solid.
- **Color:** Filter paper is yellow.
- **Ignition temperature:** No data available.
- **Water solubility:** Insoluble.

Part X. Stability and Reactivity

- **Storage stability:** Under recommended storage and handling conditions (see section 7).
- **Conditions to avoid:** Heat, flames, and moisture.
- **Materials to avoid:** Water, acids, bases, oxidizing agents, peroxides.
- **Hazardous decomposition products:** Carbon monoxide, Iron oxides, Nitrogen oxides.

Part XI. Toxicological Information

There is no data available of the preparation itself.

There is no data available of the acute toxicity.

Might be harmful if swallowed.

Part XII. Ecological Information

- **Elimination information:** Recycle, and no data available of the degradability.
- **Further information on ecology:** No data available.

Part XIII. Disposal Considerations

Do not allow into drains, water courses or on the parking apron. Waste and empty containers must be disposed in accordance with solid waste appropriately. They should be recycled or disposed



through a licensed waste management facility.

Part XIV. Transport Information

Not restricted under any transport regulations

Part XV. Regulatory Information

Not classified as hazardous materials under any regulations.

Part XVI. Other Information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as guidance. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from handling or from contact with the above product.

