INTRODUCTION
MasterRoc RDS 711 is a dust suppressant specially developed for use where dust is generated by materials when:
1. driven on by light or heavy vehicles.
2. on large flat areas such as tailings ponds and dams.
3. airborne dust by vehicles travelling on unmade roads.

MasterRoc RDS 711 are also available for use on highly mobile materials such as that on conveyors, transfer points and shuttles as well as fine airborne dust generated from crushers.

DESCRIPTION
MasterRoc RDS 711 contains resins that are designed to bind the fine particles together into larger aggregates that will rapidly settle from the atmosphere. MasterRoc RDS 711 adsorbs onto the surface of the soil particles, creating adhesive forces between particles causing agglomeration and a reduction or elimination of fine particles which produce airborne dust clouds. The resins are designed to be non-volatile and non-hardening materials so that the adhesive forces persist long after the treatment allowing re-agglomeration to occur when the material is disturbed by the mechanical action of passing vehicles. They do not rely on crust formation nor do they require subsequent water additions to maintain their effectiveness. After application, the road surface remains loose but non-tacky. Depending on the dose rate used, the material has the potential to reduce or completely eliminate airborne dust clouds.

MasterRoc RDS 711 is readily dilutable with water and it is recommended that it is applied by spraying as a 25% wt/w emulsion in water. MasterRoc RDS 711 has been designed to be completely, but slowly biodegradable to ensure that the product will not persist in the environment.

DOSE LEVEL
The dose level of MasterRoc RDS 711 required to eliminate the generation of dust is dependent not only on the cause of the dusting, but also on the nature and particle size of the dust itself. As a general guideline, MasterRoc RDS 711 should be applied as a 25wt% solution at a rate of 1L - 2L per meter square of substrate giving an addition level of 250-500 g/m².

For roadway treatment it is recommended that MasterRoc RDS 711 should be diluted and applied using a water truck. Depending on the nature of the road surface it may also be necessary to use a grader to ensure that the product is worked into the road surface and does not only penetrate into the first few centimeters.

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark brown</td>
</tr>
<tr>
<td>Water-solubility</td>
<td>Self emulsifying in water</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.94g/cm³</td>
</tr>
<tr>
<td>pH of 25% aqueous solution</td>
<td>7</td>
</tr>
<tr>
<td>pH of product as supplied</td>
<td>Non-aqueous</td>
</tr>
<tr>
<td>Flash point/°C</td>
<td>≥200</td>
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</tbody>
</table>

SHIPPING AND HANDLING
MasterRoc RDS 711 is supplied in 900kg IBC or 190kg net plastic drums or steel drums lined either with lacquer or polyethylene. The product should be stored in a cool place out of direct sunlight.

Although MasterRoc RDS 711 is not frost sensitive it is recommended that prolonged exposure to extreme low temperatures is avoided.

TECHNICAL SERVICE
Advice and assistance in the running of laboratory and plant tests to select the correct products and determine the best application is given by representatives of BASF, who are experienced in mineral processing applications.

HEALTH AND SAFETY
MasterRoc RDS 711 has some surfactant properties and as such contact with eyes and prolonged contact with skin should be avoided. Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant Health and Safety information sheet.

WARRANTY
The information contained in this leaflet is given in good faith but no liability is assumed nor is freedom from any patent owned by BASF. This information should not be taken to represent a specification for the product.