



Chemieresin Industries Pvt. Ltd.

Plot No. 901/A, Phase - 4, GIDC - Naroda, Ahmedabad - 382330

Technical Data Sheet

Product : CR 301 UF

TYPE :

Butylated Urea Formaldehyde Resin

DESCRIPTION :

Medium - High reactivity resin with low solids and viscosity for easy handling.

SPECIFICATIONS :

| | |
|--|--------------------------|
| 1) Appearance | Colourless Clear Liquid |
| 2) Density @ 25°C. | 1.01 - 1.03 |
| 3) % Solids | 57- 61 |
| 4) Solvent | n-Butyl Alcohol / Xylene |
| 5) Viscosity @ 25°C. | 1000 - 2000 |
| 6) % Free formaldehyde of supply | 2 Max. |
| 7) Acid value of supply, mg KOH / gm | 2 - 3 |
| 8) Mineral spirit tolerance (ml/10g resin) | 30 - 50 |

SOLUBILITY :

CR 301 UF is soluble in alcohols, esters, ketones, glycol ethers, aromatic hydrocarbons, chlorinated hydrocarbons. It has limited solubility in aliphatic hydrocarbons and is insoluble in water.

COMPATIBILITY :

CR 301 UF is compatible with all short oil alkyds, oil free polyesters, medium and high molecular weight epoxy resins, epoxy esters, thermo-setting acrylics, P.V.B. resins, nitro-cellulose and ester type of plasticizers.

APPLICATIONS :

CR 301 UF is mainly used as a cross-linker with short oil alkyd resins for low temperature baking enamels giving adequate gloss, hardness, flexibility, adhesion and impact resistance. It is also used in two pack and one pack acid cured screen and wood lacquers. High electrical resistivity makes the resin especially suitable for electrostatically applied finishes.

MATERIAL SAFETY DATA:

| | |
|------------------------------------|--|
| Product name | CR 301 UF |
| Flash point 0 C. (Abel closed cup) | 26.0 |
| Flammability | Highly flammable |
| Toxicity | Moderately toxic by exposure and inhalation due to vapours of n-Butyl alcohol and residual formaldehyde. |
| Handling | Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings. |

Emergency treatment and measures

| | |
|-----------------------------------|--|
| 1 Hygienic precautions | Adequate ventilations. |
| 2 Hygienic treatments (First Aid) | Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis. |
| 3 Fire precautions | Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours. |
| Spills and leakage | Absorb liquid materials in sand and collect solid material and burn under hood in incinerator. |
| Disposal and waste treatment | Spray into furnace under controlled conditions. |

STORAGE :

Due to thermosetting nature of amino resins they should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

DISCLAIMER :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.