



Chemieresin Industries Pvt. Ltd.

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

Technical Data Sheet

Product : CR 301 MF

TYPE :

Butylated melamine formaldehyde resin

DESCRIPTION :

Highly reactive low temperature cross-linking resin.

SPECIFICATIONS :

1) Appearance	Colourless Clear Liquid
2) Density @ 25°C.	1.01 - 1.03
3) % Solids	58 - 61
4) Solvent	N-Butyl Alcohol
5) Viscosity @ 25°CPS	1000 - 2000
6) % Free formaldehyde of supply	3 Max.
7) Acid value of supply, mg KOH / gm	1 – 2 Max.
8) Mineral spirit tolerance (ml/gm)	3 - 5

SOLUBILITY :

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

COMPATIBILITY :

CR 301 MF 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, some of vinyl copolymers, nitro-cellulose, cellulose acetate butyrate and ester type of plasticizers.

APPLICATIONS :

CR 301 MF due to its high reactivity gives to coatings based on this resins, excellent gloss, hardness, long durability and gloss retention along with resistance to organic acids, soaps, detergents, mineral oils, petrol, grease etc. Therefore it finds applications in coatings for hospital and kitchen appliances, fans, machine tools, sewing machines, bicycles and auto finishes.

MATERIAL SAFETY DATA :

Product name	CR 301 MF
Flash point 0 C. (Abel closed cup)	35
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.