

**sasol**

PRODUCT DATA SHEET

Base Chemicals

Technical Services and Product Stewardship

MP-Cresol 45

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MP-Cresol 45

Features

- Synonyms: MP45, Cresol/Phenol/Xylenol mixture, meta para cresol 45
- Appearance: Yellow liquid
- Smell: Characteristic odour
- UN number: 2076

Applications

- Used as a chemical intermediate in m- and p-Cresol production.
- Used as a solvent for magnet wire enamel coatings. These coatings act as insulators for wires that are wound around the armatures of electric motors
- Used in the production of laminates for printed circuit boards.
- Other uses include ore flotation, paint strippers, cleaners, soap and disinfectants.

Typical properties

TEST	UNITS	TYPICAL VALUE	TEST METHOD
PHENOL	mass%	0.1	ASTM D5310
O-CRESOL	mass%	0.1	ASTM D5310
MP-CRESOL	mass%	86	ASTM D5310
M-CRESOL	mass%	43	ASTM D5310
XYLENOLS + ETHYL PHENOLS	mass%	13	ASTM D5310
WATER	mass%	0.1	ASTM D1364; ASTM E203
NEUTRAL OIL	mass%	0.3	ASTM D5310
NITROGEN BASES AS PYRIDINE	ppm	12	ASTM D4471
DENSITY AT 20 °C	kg/L	1.035	ASTM D4052
COLOUR	Pt-Co	70	ASTM D1209; ASTM D5386
VISCOSITY at 20 °C	mPa.S	5.07	ASTM D445
FLASH POINT	°C	99	ASTM D93

Packaging

- Available in bulk (road tanker, ship, Isotainer) and 200kg or 225kg nett new galvanised drums.

Shelf life

- Cresols are stable if stored and handled according to the recommendations in the Sasol SDS and is expected to retain compliance with test properties to within specification limits.
- Depending upon storage conditions, they may absorb moisture from the air, darken in colour over time, or leach low level metals from the storage vessel. This will be minimized, however, if the container remains sealed and the product is not exposed to air or excessive heating.
- It is recommended that a sample of the product be tested to confirm compliance to test specifications following prolonged storage, especially under non-ideal storage conditions.

Disclaimer

This information is based on Sasol Chemicals' current knowledge and experience and is provided in good faith. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments; neither does it imply any legally binding assurance of certain properties for a specific purpose. It is the responsibility of those to whom Base Chemicals has supplied their products to ensure that any proprietary rights and existing laws and legislation are observed. It is the responsibility of our customer to determine that the use of our product(s) is safe, lawful and technically suitable in intended applications. Please contact your local sales representative for up-to-date product and specification information. It is strongly urged that the Safety Data Sheet (SDS) be thoroughly reviewed by anyone who will be working with MP-Cresol 45.