CYTEC

PRODUCT DATA SHEET — Metal Extractants

ACORGA® PT5050 metal extraction reagent

Physical Data

Appearance	Clear amber-colored liquid, free from visible impurities
Specific gravity, 25°C	0.91-0.93
Viscosity, cP at 25°C	Not more than 200
Flash point, °C	Typically > 90 (PMCC)

Performance Data

Copper uptake	0.54-0.58 g/l per v/o
Extract kinetics, approach to equilibrium at 25°C	
15 sec	Not less than 80%
30 sec	Not less than 90%
Strip kinetics, approach to equilibrium at 25°C	
15 sec	Not less than 95%
Copper extraction isotherm point at 25°C	
Organic	Not less than 4.2 g/l
Aqueous	Not greater than 1.8 g/l
Copper strip isotherm point at 25°C	
Organic	Not greater than 2.2 g/l
Aqueous	Not greater than 32.7 g/l
Copper/Iron selectivity	Not less than 2000 g/l
Phase disengagement	
Extract	Not more than 60 sec
Strip	Not more than 60 sec
Complex solubility at 0°C, at 24 hours	No precipitation

Testing carried out in accordance with the methods described in Cytec's Standard Test Methods

Note: Before handling this material, read the appropriate Cytec Material Safety Data Sheet (MSDS 0014840) for more detailed information on physical properties and safety, health and environmental data.

Shipping

ACORGA PT5050 metal extraction reagent is shipped in drums, totes or bulk containers. For information on bulk delivery, contact your Cytec Sales Representative or local sales office.

Technical Service

Contact your nearest Cytec sales office for assistance in choosing the optimum metal extraction reagent for your particular circuit conditions. Once the optimum reagent has been selected, Cytec sales personnel are available to assist your operation in achieving the highest reagent performance. In addition to the wide range of metal extraction reagents, Cytec Industries Inc. offers a complete line of products for use in metallurgical applications: thickener and washer flocculants, defoamers, iron removal agents, filtering aids, collectors, depressants, deposit control agents, cathode smoothing agents, bauxite handling aids, hydrate flocculants, and humate removal agents.

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