

METAL EXTRACTANTS

ACORGA® M5774 Metal Extraction Reagent

HANDLING

Before handling this material, read the appropriate Solvay Material Safety Data Sheet (MSDS 0014834) for more detailed information on physical properties and safety, health and environmental data.

PHYSICAL DATA

Appearance	Clear amber-colored liquid, free from visible impurities
Specific gravity, 25°C	0.96-0.98
Viscosity, cP at 25°C	Not more than 200
Flash point, °C	Typically > 100 (PMCC)

TECHNICAL SERVICE

Contact your nearest Solvay sales office for assistance in choosing the optimum metal extraction reagent for your particular circuit conditions. Once the optimum reagent has been selected, Solvay sales personnel are available to assist your operation in achieving the highest reagent performance. In addition to the wide range of metal extraction reagents, Solvay 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.

SHIPPING

ACORGA® M5774 metal extraction reagent is shipped in drums, totes or bulk containers. For information on bulk delivery, contact your Solvay Sales Representative or local sales office.

PERFORMANCE DATA

Copper uptake	0.56-0.59 g/l per v/o
Extract kinetics, approach to equilibrium at 25°C	
15 sec	Not less than 90%
30 sec	Not less than 95%
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 1.6 g/l
Copper strip isotherm point at 25°C	
Organic	Not less than 2.1 g/l
Aqueous	Not greater than 32.0 g/l
Copper/Iron selectivity	Not less than 3000 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
<i>Testing carried out in accordance with the methods described in Solvay's Standard Test Methods</i>	

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