

# Orfom<sup>®</sup> SX Solvent Extraction Diluents

Orfom<sup>®</sup> SX Solvent Extraction Diluents are petroleum distillates and synthetically produced hydrocarbons manufactured specifically for use in metal solvent extraction operations. Orfom<sup>®</sup> SX Solvent Extraction Diluents are produced to rigorous specifications in order to ensure product consistency and to optimize phase disengagement in metal recoveries that include, but are not limited to, copper, cobalt, nickel, platinum, palladium, uranium, vanadium, beryllium, zinc and lanthanide series elements.

## Advantages of Orfom<sup>®</sup> SX Diluents include:

- Safe to use and considered the industry standard for solvent extraction operations
- Compatible with all commercial extractants
- Excellent solubility for a wide range of extractant concentrations
- Unlike diesel and jet kerosene, Orfom<sup>®</sup> SX diluents are classified as non-carcinogen
- High flash points improve tankhouse safety and lower evaporative losses in elevated temperature and high altitude operations
- Superior phase disengagement and rapid copper transfer kinetics
- Good selectivity against Iron
- Maximize quality and minimize unfavorable reaction products with chlorides, nitrogen and acids
- Multiple manufacturing and inventory locations for reliable supply to global operations
- Product consistency month to month

Typical Properties of Orfom<sup>®</sup> SX Diluents

Characteristics	SX-11	SX-12	SX-80	ASTM Method
Specific Gravity at 15.6 °C (g/ml)	0.811	0.840	0.840	D1298
Density Conversion (lbs./gal)	6.77	7.01	7.01	D1298
Flash Point (°C)	113	79	81	D93
Color (Saybolt)	+30	+30	+30	D156
Pour Point (°C)	-57	-27	-27	D97
Viscosity at 25 °C (mm <sup>2</sup> /sec)	7.4	2.5	2.5	D445
Phase Disengagement (sec)	< 90	< 90	< 90	CPC

## Unique properties of Orfom<sup>®</sup> SX-11 Diluent

- Low aromatic hydrocarbon content when an even more environmentally desirable diluent is preferred
- High flash points ideal for use in high temperature circuits
- Transported as non-regulated which allows for alternative and economic logistics options

Do not hesitate to contact us for **Technical Support** at [miningtech@cpchem.com](mailto:miningtech@cpchem.com) or for **Customer Help** at [mining@cpchem.com](mailto:mining@cpchem.com). **Product Safety information and Material Data Sheets** are available on our website at [www.cpchem.com/mining](http://www.cpchem.com/mining).