

## ORFOM<sup>®</sup> SX 7 Solvent Extraction Diluent

ORFOM<sup>®</sup> SX 7 is a petroleum distillate that is produced specifically for use in solvent extraction operations. It is a superior diluent for use in the solvent extraction of metals, especially copper. ORFOM<sup>®</sup> SX 7 diluent has a high flash point and shows good phase disengagement properties, as well as rapid extraction kinetics. ORFOM<sup>®</sup> SX 7 is manufactured to close specifications to ensure product consistency. Our quality assurance program and dedicated storage assure consistent reliable performance.

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| <b>APPLICATION:</b>       | ORFOM <sup>®</sup> SX 7 diluent is a high-performance organic for commercial solvent extraction processes.   |
| <b>BENEFITS:</b>          | ORFOM <sup>®</sup> SX 7 diluent is an excellent replacement for low flash kerosene and other commercial diluents. ORFOM <sup>®</sup> SX 7 diluent exhibits good phase disengagement, rapid kinetics, and high Cu/Fe selectivity. |
| <b>AVAILABILITY:</b>      | ORFOM <sup>®</sup> SX 7 diluent is currently available in drum, tank truck, and tank car quantities.   |
| <b>MATERIAL HANDLING:</b> | Refer to the Material Safety Data Sheet for complete safety and health information.  |

| Typical Composition (1)                       | Value           |
|---|-----------------|
| Density (kg/l) at 60 °F (15.6 °C)             | 0.82            |
| Pounds per Gallon                             | 6.81            |
| Flash Point, Minimum PMCC (ASTM D93), °F (°C) | 158 (70)        |
| Typical PMCC (ASTM D93), °F (°C)              | 160-165 (71-74) |
| Typical COC (ASTM D92), °F (°C)               | 180-190 (82-88) |
| Composition, Typical Volume %                 |                 |
| Alkyl aromatics                               | 25              |
| Naphthenes (cycloparaffins)                   | 16              |
| Paraffins (normal and iso-paraffins)          | 59              |
| Naphthalene                                   | < 0.5           |
| Color, Saybolt                                | +30             |
| Distillation, (ASTM D86), °F (°C)             |                 |
| 10%   | 410 (210)       |
| 50%, midpoint                                 | 445 (229)       |
| 90%   | 503 (262)       |
| Freezing Point (ASTM D2386), °F (°C)          | -40 (-40)       |
| Reid Vapor Pressure, psia @ 80 °F (27 °C)     | < 0.1           |
| Reid Vapor Pressure, psia @ 100 °F (38 °C)    | 1.1             |

**(1) Not tested for or reported for individual lots. For informational purposes only.**

MSDS # 59470

Revision Date: 04.16.2008



Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.