

MOLYBDENUM COLLECTOR/PROMOTOR

SPRI 1018



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SPRI 1018 is a proprietary blend of collectors and additives designed to improve Molybdenum recovery. This collector is particularly effective in applications to improve fine and difficult Molybdenum particle flotation with positive improvements to Copper recovery.

As SPRI 1018 is a neat reagent, it does not require any handling of powders and can be introduced to the flotation circuit as is.

MINERAL PROCESSING APPLICATIONS

The SPRI 1018 is a collector / promotor with a strong collector base with additives that increase recovery through accelerated kinetics, enhanced froth motility and support without the negative persistence often associated with these characteristics.

SPRI 1018 is effective in

- Copper / Molybdenum flotation where a circuit retention time is a challenge and/or with difficult mineralization and fine particles.
- Fine grind applications, where slime issues interfere with the recovery of Copper and Molybdenum.
- Flotation recovery of Copper-molybdenum and Molybdenum ores.

PROPERTIES

Chemical Formula Proprietary

Molecular Weight N/A

Specific Gravity 20 °C 0.84-0.94g/cm³

pH of 1% Solution 8.06

Flash Point 58.5 °C

Composition Proprietary

Appearance Clear yellow to amber liquid.

DOSAGE

Solution Strength Neat

Dosage Range 10 - 40g/t

pH Range 9.5 - 11

STORAGE

SPRI 1018 should be stored in a cool, dry, and well vented space. It should be kept out of direct sunlight.

HANDLING

Safe handling of SPRI 1018 requires the use of proper personal protective equipment such as rubber boots, high fit rubber gloves, coveralls, a properly fitted respirator with the appropriate cartridges, safety glasses, splash apron and face shield.

HANDLING SYSTEMS

Handling systems should be manufactured to ensure that none of the components can be compromised by the chemical nature of SPRI 1018 and its components. It is recommended that only mild steel and/or stainless steel be used for all components of the handling system. It is also recommended that the SPRI 1018 system and any storage tanks be full discharge conical bottom, as this prevents the buildup of precipitates and decomposition products, also making it easier to service and clean.

PACKAGING OPTIONS

UN approved packaging options from Prospec Chemicals include;

- 1000kg Plastic Tote
- Bulk Tanker
- Special packaging on request

CONTACT

For additional information and support, please contact your technical account manager or Prospec Chemicals.

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