

# SPECIALITY COLLECTOR/PROMOTOR

## SPRI 1004



### PROPERTIES

Chemical Formula	Proprietary
Molecular Weight	N/A
Specific Gravity 20 °C	0.90g/cm <sup>3</sup>
Flash Point	55 °C

Composition	Proprietary
Appearance	Yellow to brown liquid

### DOSAGE

Solution Strength	Neat
Dosage Range	2 - 50g/t
pH Range	9.5 - 11

### 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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### SPRI 1004

SPRI 1004 is a proprietary organic collector formulation designed to provide a balance between recovery strength and selectivity. As SPRI 1004 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

SPRI 1004 is a kinetically aggressive collector with strong collecting capabilities. This proprietary blend product utilizes the unique flotation characteristics of its individual components to create a collector with strong recovery capabilities with some selectivity to pyrite, lead and non activated Zinc in poly metallic applications.

SPRI 1004 is suitable for application in Copper, Copper / Precious Metals (Gold, Silver), Copper / Moly & Polymetallic and for Copper where selectivity to pyrite and non-activated Zinc are required. SPRI 1004 can also be applied in Copper flotation where Oxide and Oxidized Copper minerals are present after treatment with a Sulphide Surface Cleaning Reagent or Sulphidizing Reagent.

As SPRI 1004 is an Oily Collector it is recommended to be used in fines flotation and where slimes may cause a loss of recovery due to slimes interference. It is also recommended that part of the SPRI 1004 dosage is best applied in the grind to allow the best conditions for its dispersion and enhance its recovery and grade benefits.

### STORAGE

SPRI 1004 should be stored in a cool, dry, and well vented space. It should be kept out of direct sunlight.

### HANDLING

Safe handling of SPRI 1004 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 1004 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 1004 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.



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