

SPECIALITY BLENDS

SPRI 206



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SPRI 206 is a proprietary dithiophosphate based blend designed to improve selectivity and recovery in copper ores, copper-molybdenum ores, and copper-gold ores. SPRI 206 is a neat reagent and designed to be introduced to the flotation circuit as is without dilution.

MINERAL PROCESSING APPLICATIONS

SPRI 206 is a Na Di Alkyl Dithiophosphate based collector with proprietary additives which in application enhance the recovery of primary / secondary copper minerals and precious metals associated with the copper.

SPRI 206 is a kinetically aggressive collector, with increased selectivity to iron sulfides while increasing copper and precious metal recovery.

STORAGE

All dithiophosphate blends should be stored in a cool, dry, and well vented space. They should be kept out of direct sunlight and preferably stirred prior to use.

HANDLING

Safe handling of SPRI 206 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 206 and its components. It is recommended that mild steel and/or stainless steel be used for all components of the handling system.

Chemical resistant lines can be used depending on their resistance to alkyl Thiophosphate and other oily sulphide chemicals. Totes could be used as the feed source.

Peristaltic pumps with Teflon wetted parts would be recommended for distribution for dosage to flotation cells. Other types of pumps that could be used would be positive displacement pumps with Teflon wetted parts.

It is also recommended that the solutioning 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.

PROPERTIES

pH	>10
Specific Gravity at 25 °C	1.05-1.11g/cm ³
Composition	Proprietary blend
Appearance	Brown to Amber liquid

DOSAGE

Solution strength	Undiluted
Dosage range	5-50g/t

PACKAGING OPTIONS

UN approved packaging options from Prospec Chemicals include;

- 1000L Plastic Tote
- Special packaging on request

CONTACT

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

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