DITHIOPHOSPHATE
SPRI 271

PRODUCT DESCRIPTION

SPRI 271 is a water-soluble blend of sodium dialkyl dithiophosphate and mercaptobenzothiazole.

MINERAL PROCESSING APPLICATIONS

In the flotation of refractory gold associated with pyrite and/or arsenopyrite, SPRI 271 is an excellent collector. It is applicable in circuits where gold bearing arsenopyrite is processed at low pH. The flotation recovery of partially or fully dissociated gold particles is enhanced due to the synergistic effect of the mercaptobenzothiazole component in the blend.

SPRI 271 succeeds where surface oxidation would typically render ores or mineral stockpiles challenging or uneconomic to process. SPRI 271 in conjuction with a xanthate from our series of xanthate collectors can yield improved sulfide recoveries. When used in tandem with a secondary collector, SPRI 271 can improve the flotation recovery of acid soluble copper species including copper and nickel in Cu-Ni and polymetallic operations. Lead bearing sulfides and copper activated zinc minerals respond very well to SPRI 271.

SPRI 271 can be added to a flotation circuit during grinding or conditioning to allow for sufficient dispersion into the pulp. SPRI 271 does not impart any frothing characteristics, allowing improved froth control as a result.

PROPERTIES

Appearance	Yellow to Brown
pH	12 - 13
Specific Gravity	1.10 ±0.05 @ 30°C
Typical Dosage	10-100g/t
Process Dilution	Neat or as 10% Solution
Viscosity	6-8 cps@30°C
Freezing Point	-4°C

PACKAGING OPTONS

SPRI 271 is sold, packaged and delivered as a liquid product that is typically dosed undiluted into froth flotation processes. Prospec Chemicals' packaging options include;

- 200kg NET Steel drums.
- 1000kg NET IBC totes.
- Speciality packaging on request.

CONTACT

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

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