

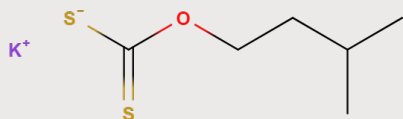
POTASSIUM ISOAMYL XANTHATE

KAX 55



PROPERTIES

Chemical Formula



Molecular Weight

202.3792g/mol

Density

1.073g/cm³

Composition

>80% Xanthate
<10% Acetone Insolubles

Appearance

Yellow - Orange
Solid Pellet

DOSAGE

Solution Strength

5 - 30% w/w

Dosage Range

10-100g/t

XANTHATES

Xanthates are water soluble organo sulphur alkyl salts primarily used in the flotation of non-ferrous metallic sulphide minerals. Xanthates can also be used in auriferous flotation, flotation of oxide minerals when treated with a sulphidizing reagent and oxidized/tarnished minerals when treated with a sulphidizing or surface cleaning reagent.

MINERAL PROCESSING APPLICATIONS

KAX55 is Prospec's Potassium Isoamyl Xanthate [C5 alcohol]. Made using pure isoamyl alcohol, KAX55 is a very strong bulk collector which exhibits very low selectivity compared to KAX51 and other collectors in the xanthate. line. KAX55 is used in the flotation of

- Gold associated with iron sulphides where sulphide content does not warrant autoclaving
- Scavenger circuits at high pH to control pyrite

In typical applications, KAX55 is dissolved in water prior to its introduction to a flotation circuit. Finer dosage adjustments can be attained by further diluting the xanthate solution with water. KAX55 easily disperses in most flotation pulps, leading to short conditioning times. Stage addition of KAX55 can improve flotation characteristics where applicable, with typical addition points at the head of a circuit and further downstream at the scavenger section of a circuit.

PACKAGING OPTIONS

With a few exceptions, xanthates are sold, packaged and delivered as a dry product requiring solutioning for application in flotation processes. Packaging options from Prospec Chemicals include;

- 150kg Net Steel Open top drums
- 500kg, 750kg NET FIBC
- 800kg NET IMDG approved Combination package (primarily for international shipment)
- Specialty packaging on request.

All FIBC's being shipped in ocean going containers must be packaged in an approved box for combination package, also available at Charles Tennant & Company's production facilities. Liquid Xanthates are available for domestic customers in 20,000 kg bulk tank truck deliveries.

All packaging is UN approved.

CONTACT

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

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