

FLOTATION REAGENTS XANTHATES.



ABOUT MINOVA KSANTE.

60,000
tonnes

of xanthogenates
produced to-date

Minova-Ksante started its production in 1980 as a branch of the largest copper mine in Europe, KGHM Polska Miedź S.A. Today, we are a part of Minova, a renowned global company that provides ground support products and solutions to our customers in the mining sector.

EXPERIENCED MANUFACTURER

Our production line of flotation reagents from the group of xanthates is one of the world's most modern facilities allowing us to efficiently deliver quality of xanthates products. We have over 40 years of experience as a sole supplier of xanthates to copper, zinc and lead mines located in Poland.

DELIVERING QUALITY PRODUCTS

We put great emphasis on the quality of our products with full quality control present at all stages of the production. We care for the natural environment- our fully waste-free production conforms to the required permits and certificates according to ISO 9001 and 14001 standards.

INTRODUCING XANTHATES PRODUCTS.

Xanthates are flotation collectors with a strong collection effect and are mainly used to enhance the hydrophobicity of the mineral surface to meet the requirements of flotation.

Xanthates are commonly used in the flotation process of sulfide minerals of copper, lead, zinc etc. Flotation involves separating the mineral particles as froth from the tailings, which settle out.

The general structure of xanthates is as follows:

$R-O-C=S$

$S^- (Na^+, K^+)$ where R is an alkyl group

Their molecular weights are around 140 to 200g. Xanthates are water-soluble powders or pellets usually with a strong and characteristic odour. They are usually applied as 2 to 20% solutions. Their water solubility vary from 110 to 460 g/l and increases at higher temperatures.

We offer all types of xanthates currently available on the market:

- Sodium ethyl
- Sodium isobutyl
- Sodium isopropyl
- Sodium isoamyl
- and their potassium equivalents

As a company with extensive experience in flotation processes, we offer assistance in the selection of appropriate flotation reagents tailored to your individual needs.

Our products are available in the following packaging:

- Iron drum 110 -150 kg
- Big Bag 350 - 450 kg
- Big Bag 700 - 900 kg



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