

Sodium Ethyl Xanthate Tech Information

GENERAL

Product name	SODIUM ETHYL XANTHATE
Applications	Gold processing agent, used in flotation of sulfide ores as an excellent collector that has the best selectivity. In conjunction with a sulfidizing agent, it may be used for floatation of oxidized lead and copper ores, and in the refining zinc electrolytes.
Sales representative	LMS Canada

CHEMICAL INGREDIENT

Main ingredient	Sodium Ethyl Xanthate: formula $C_2H_5OC(S)SNa$, content 80 – 83.5%; 90 - 93% when is dried, free alkali: $\leq 0.5\%$
M. W.	144.20
Purity grade	Industrial

TECHNICAL DATA

Physical state	Solid
Appearance	Light orange powder
Odour	Unpleasant odor
Melting point	Approx 182 °C
Auto-ignition temperature	Approx 250 °C
Special gravity	1.26
Solubility	Soluble in water 450 g/L at 25 °C; also soluble in alcohol
pH value	Solution presents weak base, pH value not available
Chemical stability	Stable when dry. Hygroscopic and easily reacts with moisture.
Incompatibility with other substances	Water, acids
Reactivity, and under what conditions	Absorbs moisture and reacts to form carbon disulfide, ethyl alcohol, sodium carbonate and trithiocarbonate. Generate heat the same time and the heat accelerates decomposition. Decomposition also occurs at presence of acid.

PACKAGE & STORAGE

Package & storage	Metal container, net 60 or 120 kg per container, store in dry and cool area
Theoretic shelf life	Over one year while stored in metal container and in a proper environment.

TOXICOLOGICAL PROPERTIES

Refer to MSDS of product.

Note: The information above is based on technical data provided by the manufacturer and those publications available. It is subject to change or update without notice.