

**Collector for copper and lead/zinc/iron Ore Desulfurization****Trade Name: Sodium Isopropyl xanthate (SIPX)****Product Description:** SIPX is a strong collector which is applied in "Desulfurization" for metal ores.

SIPX is a yellowish powder or pellet with a pungent odour, soluble in water.

SIPX uses as a collector in the flotation of copper and lead/zinc/iron ores.

SIPX is used in flotation at alkaline pH (10-12). Dosage rate of SIPX depends on ore type, grinding size and water quality. The dosage is usually between 100 to 400 grams per tons.

**Storage and Handling**

Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition source away. Store in a tightly closed container in a dry, well-ventilated place.

**Packaging & Shelf Life**

SIPX is packed in 25Kg double thickness bags.

**Shelf life:** SIPX has shelf life of at least 12 months. From the data of manufacture when store in the "room temperature".

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place in the "room temperature".

**Safety Health Effects:**

SIPX will not result in health damage and if comes into contact with eyes, it may cause moderate eye high irritation.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention .

Test	Standard Test Method	Standard
Active substance content (%)	-	90-95
Appearance at 25 °C	-	Yellowish solid
Color	-	Yellowish to gray
Odor	-	Pungent
pH (5% Solution in water)	ASTM D-1172	11-12
Water Solubility	-	Soluble in alkaline water
Form		Powder or pellet
Moisture & volatile % max		4.0

**Ingestion:** If large amounts were swallowed, give water to drink and get medical advice .

**Skin Contact:** in case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops or persists .

**Eye Contact:** in case of contact, flush eyes with plenty of water for at least 15 minutes. Get medical advice if irritation develops. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.