



## Collector for copper and lead/zinc/iron Ore Desulfurization

Collector & Frother for Iron Ore Desulfurization

**Trade Name:** SIROLE-120

**Product Description:** SIROLE-120 is a strong collector & frother which is applied in "Desulfurization" for iron/zinc ores.

SIROLE-120 is a complex surfactant which is applied for flotation of sulfide ores.

SIROLE-120 is used in flotation at alkaline pH (9-10) Dosage rate of SIROLE-120 depends on ore type, grinding size and water quality. The dosage is usually between 100 to 400 grams per tons.

### Storage and Handling

Recommended materials to store, handling and distribution SIROLE-120 are polymeric (plastic) materials.

### Packaging & Shelf Life:

SIROLE-120 is packed in 220 lit (net: 200kg) drums, each 4 drums strapped on a pallet or in I.B.C Polymeric Drums (net 900 kg).

**Shelf life:** SIROLE-120 has shelf life of at least 6 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:

SIROLE-120 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.

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

Test	Standard Test Method	Standard
Appearance at 25°C	-	Slightly Clear Liquid
Color	-	Dark to brown
Odor	-	strong
Density at 25° C	ASTM D-1298	1.020±0.002
Freezing Point	-	<-10° C
Viscosity at 25° C	ASTM D-445	10-15 cP
pH (5% Solution in water)	ASTM D-1172	11-12
Water Solubility	-	Soluble in alkaline water

**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.