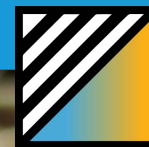


THIONOCARBAMATE BLEND

TNC 312M



TNC 312M

Thionocarbamates are Xanthates further processed in a secondary reaction resulting in a Xanthogen with an alkyl amine branch, creating a neat oily collector. As these collectors are non-water soluble they require more retention time to properly disperse in the pulp. TNC 312M is a thionocarbamate blend that is based on TNC 312 chemistry. An organic dispersant has been added to enhance the effectiveness of TNC 312.

MINERAL PROCESSING APPLICATIONS

TNC 312M is a kinetically aggressive collector with strong collecting capabilities, tempered with a natural selectivity to pyrite, lead and non activated Zinc in poly metallic applications. Increasing pH can further improve rejection of pyrite.

TNC 312M is suitable for application in Copper, Copper / Precious Metals (Gold, Silver), Copper / Moly and Polymetallic for both Copper and Zinc. TNC 312M can also be applied in Copper flotation where Oxide and Oxidized Copper minerals are present after treatment with a Sulphide Surface Cleaning Reagent or Sulphidizing Reagent.

The recovery of precious metals like gold and silver is enhanced when TNC 312M is used in sulphide flotation.

As TNC 312M is an Oily Collector, it is recommended to be used in fines flotation and where slimes may cause a loss of recovery due to slimes interference. It is also recommended that part of the TNC 312M dosage is best applied in the grind to allow the best conditions for its dispersion and enhance its recovery and grade benefits.

PACKAGING OPTIONS

Prospect Chemicals' Thionocarbamates, including TNC312M are sold, packaged and delivered in liquid form rendering them easy to transport, store and use.

TNC 312M is classified under CLASS 3 UN 1993 P.G. III.

Packaging options from Prospect Chemicals include

- 200kg Steel drums
- 1000kg One way IBC totes
- Speciality packaging on request.

PROPERTIES

Chemical Formula	Proprietary Blend
Density	1.00g/cm ³ +/- 0.05
pH	8 +/- 0.5

Freezing Point	< 20°C
Flash Point [Closed Cup]	79.4°C

Appearance	Amber Liquid
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DOSAGE

Solution Strength	Neat
Dosage Range	2-50g/t

CONTACT

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

The information presented herein is believed to be accurate and reliable, but it is presented without guarantee or responsibility on the part of Charles Tennant and Company / Prospect Chemicals.



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