

Technical Information

TOMAMINE® M-4210

DESCRIPTION

TOMAMINE® M-4210 is an alkyl ether amine-based collector specifically developed for reverse silica flotation from iron ores. It is used in the flotation beneficiation of low-grade hematite-geotite and itaberrite ores.

BENEFITS

- Efficient reverse flotation collector for removal of quartz and silica minerals from various ores
- Low pour point
- Especially suited for flotation of fine silica from hematite ores
- Quick flotation kinetics

APPLICATIONS

- Reverse flotation of iron ore
- Reverse flotation of phosphate ores
- Flotation of glass sands and mica

HANDLING PRECAUTIONS

Please refer to our material safety data sheet for information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological efficient

RECOMMENDED USAGE

The TOMAMINE® M-4210 typically applied in a 1-4% solution at a dosage rate of 0.05 to 0.30lb amine per ton of ore. It may also be partially neutralized with acetic acid to aid in solubility. Use level can best be determined in consultation with our team of applications chemists. Please contact our sales manager or technical expert.

STORAGE AND HANDLING

Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame. For additional storage and handling information, please refer to the material safety data sheet.

PACKAGING

TOMAMINE® M-4210 is available in 55-gallon drums or in bulk in isotainers, tank wagons or tank cars.

PROPERTIES¹

Appearance	Yellow Liquid
Relative Density @ 25°C	0.88
Viscosity @ 24°C (mPas)	28
Flash Point °C	>93
% Neutralization	0

¹ These are typical properties only and do not represent sales or manufacturing specifications.

Disclaimer

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