

Global Gold Beneficiation Flotation Agents Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Gold Beneficiation Flotation Agents market size was valued at US\$ 335 million in 2025 and is forecast to a readjusted size of US\$ 484 million by 2032 with a CAGR of 4.7% during review period.

Global sales of gold beneficiation flotation agents reached 213,000 tons in 2025, with an average price of US\$1,523 per ton.

Gold beneficiation flotation agents mainly include collectors (such as xanthates, dithiophosphates, and alkyl isothiourreas), frothers (such as methyl isobutyl methanol (MIBK) and rosin oil), depressants (such as cyanides, starch, and sulfites), activators (such as copper sulfate), and pH adjusters (such as lime and sulfuric acid/sodium hydroxide). These reagents need to be precisely proportioned according to the specific composition and properties of the gold-bearing ore to achieve effective enrichment and recovery of gold.

The main raw materials for gold beneficiation flotation agents are bulk or fine chemicals: collectors (butyl xanthate, black powder, etc.) are synthesized in one step from alcohols, carbon disulfide, and sodium/potassium hydroxide, accounting for about 35%–45% of the cost; frothers (pine oil, MIBC) come from turpentine by-products or petrochemical isobutylene routes, and their prices fluctuate with turpentine and C4 alcohols, accounting for about 20% of the total reagent cost; modifiers (lime, sulfuric acid, copper sulfate, sodium sulfide, etc.) are mostly inorganic acids, bases and inorganic salts, with low unit prices but large usage, accounting for 15%–25%; the remainder are packaging, transportation, diluents and environmental treatment costs. Overall, the direct material cost of flotation reagents accounts for 60%–70% of the selling price. Xanthium-based

collectors have relatively low profit margins due to fewer reaction steps and readily available raw materials. Newer, environmentally friendly, low-toxicity collectors (such as thioformamide and mercaptobenzothiazole) have longer synthesis routes and lower yields, resulting in raw material costs 30%–50% higher than traditional xanthium, making them a key variable determining on-site reagent consumption and plant operating costs.

This report is a detailed and comprehensive analysis for global Gold Beneficiation Flotation Agents market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Gold Beneficiation Flotation Agents market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Gold Beneficiation Flotation Agents market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Gold Beneficiation Flotation Agents market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Gold Beneficiation Flotation Agents market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Gold Beneficiation Flotation Agents
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Gold Beneficiation Flotation Agents market

based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nouryon, Chevron Phillips Chemical, Clariant, Syensqo, FMC, Orica, Kao, Indorama Ventures, Arkema, Evonik, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Gold Beneficiation Flotation Agents market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Frothers

Collectors

Adjusters

Market segment by Sources

Synthetic Chemical Reagents

Bio-based Reagents

Market segment by Ion Types

Anionic

Cationic

Amphoteric

Nonionic

Market segment by Application

Sulfide Gold Deposits

Oxide Gold Deposits

Polymetallic Associated Gold Deposits

Fine-grained Gold Deposits

Major players covered

Nouryon

Chevron Phillips Chemical

Clariant

Syensqo

FMC

Orica

Kao

Indorama Ventures

Arkema

Evonik

BASF

Ecolab

EKOF Mining & Water Solution

AECI

Nasaco

Tieling Flotation Reagent

QiXia TongDa Flotation Reagent

Hunan Mingzhu Flotation Reagent

BGRIMM Technology Group

Forbon Technology

Yantai Humon Chemical

Shandong Qicheng Qingquan

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Gold Beneficiation Flotation Agents product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gold Beneficiation Flotation Agents, with price, sales quantity, revenue, and global market share of Gold Beneficiation Flotation Agents from 2021 to 2026.

Chapter 3, the Gold Beneficiation Flotation Agents competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gold Beneficiation Flotation Agents breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Gold Beneficiation Flotation Agents market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gold Beneficiation Flotation Agents.

Chapter 14 and 15, to describe Gold Beneficiation Flotation Agents sales channel, distributors, customers, research findings and conclusion.

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