

# Global Halogen-Free Soldering Flux Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G3D201133CA3EN.html>

Date: June 2026

Pages: 169

Price: US\$ 4,480.00 (Single User License)

ID: G3D201133CA3EN

## Abstracts

The global Halogen-Free Soldering Flux market size is expected to reach \$ 608 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

Halogen-Free Soldering Flux refers to halogen-free functional materials used in electronic soldering processes to remove metal surface oxides, reduce solder surface tension, promote wetting and spreading, and improve solder joint reliability. These products are typically designed to meet the electronics assembly industry's control requirements for low-halogen or halogen-free materials, and mainly include halogen-free liquid flux, halogen-free paste flux, halogen-free solder paste flux systems, halogen-free flux-cored solder wire systems, and halogen-free flux for semiconductor packaging. They are widely used in SMT reflow soldering, wave soldering, selective soldering, robotic soldering, hand soldering, rework, and selected semiconductor packaging processes. Key technology directions include no-clean, low-residue, low-corrosion, low-ionic-contamination, high insulation reliability, and compatibility with lead-free soldering. Upstream raw materials mainly include rosin and modified resins, organic acid activators, amine compounds, alcohol and ester solvents, thixotropic agents, surfactants, corrosion inhibitors, antioxidants, and electronic-grade additives. Major downstream customers include EMS providers, consumer electronics manufacturers, automotive electronics companies, communications and computing equipment manufacturers, industrial control and power electronics companies, semiconductor packaging companies, and electronics repair service providers. On an ex-factory price basis, global Halogen-Free Soldering Flux capacity in 2025 is estimated at about 52,000 tons, while global sales volume is estimated at about 34,862 tons, with an average ex-factory price of about USD 11,200 per ton. Halogen-free liquid flux, halogen-free solder paste flux systems, and halogen-free flux-cored solder wire systems represent the main

sources of demand, while high-reliability applications such as automotive electronics, communications and computing equipment, industrial and power electronics, and semiconductor packaging are driving a higher share of low-residue, low-corrosion, and low-ionic-contamination products. The average industry gross margin is estimated at about 30%–45% in 2025, with relatively higher margins in automotive-grade, high-reliability, and semiconductor packaging products, and relatively lower margins in general SMT, wave soldering, and rework products due to competition and customer pricing pressure.

The global Halogen-Free Soldering Flux market has become an important segment of electronic assembly materials, with demand mainly coming from consumer electronics, automotive electronics, communications and computing equipment, industrial control, power electronics, and semiconductor packaging. As electronic products place higher requirements on environmental compliance, solder joint reliability, and long-term electrical stability, halogen-free flux is gradually penetrating from high-end applications into mainstream SMT assembly and wave soldering processes. Compared with traditional halogen-containing flux, halogen-free products need to achieve a better balance among activation capability, wettability, residue control, insulation resistance, and corrosion risk, making formulation development more difficult and customer validation more stringent. The current market is served by international electronic chemical companies, Japanese soldering material manufacturers, and electronic material suppliers from Taiwan and mainland China, while leading players have advantages in high-reliability formulations, customer qualification, and global supply capability.

Future market growth will mainly benefit from the trends toward halogen-free, low-residue, no-clean, and high-reliability electronic manufacturing. Consumer electronics and communications equipment will continue to provide stable demand, while automotive electronics, servers and AI hardware, power electronics, industrial control, and semiconductor packaging will become faster-growing areas. New energy vehicles, intelligent driving, data centers, 5G communications, high-power devices, and advanced packaging place higher requirements on solder joint reliability, low ionic contamination, low corrosion, and high insulation performance, which will push halogen-free flux toward automotive-grade, high-reliability, low-void soldering, and packaging-grade applications. At the same time, increasing adoption of selective soldering, robotic soldering, and precision dispensing processes will raise demand for halogen-free flux products compatible with narrow process windows and automated production.

Key market drivers include environmental regulations, green supply chain requirements

from brand owners, higher reliability standards for electronic products, and the continued adoption of lead-free soldering processes. Large EMS providers, automotive electronics Tier 1 suppliers, communications equipment companies, and semiconductor packaging companies typically conduct strict validation of halogen content, ionic residue, surface insulation resistance, copper mirror corrosion, post-soldering cleanliness, and long-term aging performance. This encourages suppliers to continuously optimize organic acid activation systems, resin systems, solvent systems, and low-residue formulations. For manufacturers, future competition will move beyond simply meeting halogen-free labeling requirements toward providing stable overall soldering performance across different soldering processes, solder alloys, substrate materials, and high-reliability application conditions.

The main market barriers include the difficulty of formulation balance, long customer qualification cycles, intense competition in general-purpose products, and rising raw material and compliance costs. After removing halogen activators, halogen-free flux often requires more complex organic acid, resin, and additive systems to maintain wettability and process windows. If formulation control is insufficient, it may lead to poor wetting, abnormal residue, reduced insulation reliability, or increased soldering defects. Meanwhile, price competition is strong in consumer electronics and general SMT assembly, and customers are highly cost-sensitive, limiting the pricing power of standard halogen-free products. Overall, the Halogen-Free Soldering Flux market is expected to maintain steady growth, with clear trends toward higher-end and more application-specific products, while automotive-grade electronics, power electronics, communications servers, and semiconductor packaging will become the main sources of future value growth.

This report studies the global Halogen-Free Soldering Flux production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Halogen-Free Soldering Flux and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Halogen-Free Soldering Flux that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Halogen-Free Soldering Flux total production and demand, 2021-2032, (Kilotons)

Global Halogen-Free Soldering Flux total production value, 2021-2032, (USD Million)

Global Halogen-Free Soldering Flux production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Halogen-Free Soldering Flux consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Halogen-Free Soldering Flux domestic production, consumption, key domestic manufacturers and share

Global Halogen-Free Soldering Flux production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Halogen-Free Soldering Flux production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Halogen-Free Soldering Flux production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Halogen-Free Soldering Flux market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Element Solutions, Henkel, Indium Corporation, Illinois Tool Works, AIM Solder, Superior Flux, Canfield Technologies, MG Chemicals, Senju Metal Industry, TAMURA Corporation, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Halogen-Free Soldering Flux market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Halogen-Free Soldering Flux Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Halogen-Free Soldering Flux Market, Segmentation by Type:

Halogen-Free Liquid Flux

Halogen-Free Paste Flux

Others

Global Halogen-Free Soldering Flux Market, Segmentation by Cleaning Requirement:

Halogen-Free No-Clean Flux

Halogen-Free Water-Soluble Flux

Halogen-Free Low-Residue Flux

Global Halogen-Free Soldering Flux Market, Segmentation by Soldering Process:

Reflow Soldering Flux

Wave Soldering Flux

Selective Soldering Flux

Rework and Repair Flux

Global Halogen-Free Soldering Flux Market, Segmentation by Application:

Consumer Electronics

Automotive Electronics

Communications and Computing Equipment

Industrial and Power Electronics

Other

Companies Profiled:

Element Solutions

Henkel

Indium Corporation

Illinois Tool Works

AIM Solder

Superior Flux

Canfield Technologies

MG Chemicals

Senju Metal Industry

TAMURA Corporation

Nihon Superior

Harima Chemicals Group

Heraeus

Inventec Performance Chemicals

Balver Zinn

SHENMAO Technology

Tongfang Electronic New Material

Shenzhen Vital New Material

Shenzhen Fitech

Yik Shing Tat Industrial

Shenzhen Jufeng Solder Products

#### Key Questions Answered:

1. How big is the global Halogen-Free Soldering Flux market?
2. What is the demand of the global Halogen-Free Soldering Flux market?
3. What is the year over year growth of the global Halogen-Free Soldering Flux market?
4. What is the production and production value of the global Halogen-Free Soldering Flux market?
5. Who are the key producers in the global Halogen-Free Soldering Flux market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Halogen-Free Soldering Flux Introduction
- 1.2 World Halogen-Free Soldering Flux Supply & Forecast
  - 1.2.1 World Halogen-Free Soldering Flux Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Halogen-Free Soldering Flux Production (2021-2032)
  - 1.2.3 World Halogen-Free Soldering Flux Pricing Trends (2021-2032)
- 1.3 World Halogen-Free Soldering Flux Production by Region (Based on Production Site)
  - 1.3.1 World Halogen-Free Soldering Flux Production Value by Region (2021-2032)
  - 1.3.2 World Halogen-Free Soldering Flux Production by Region (2021-2032)
  - 1.3.3 World Halogen-Free Soldering Flux Average Price by Region (2021-2032)
  - 1.3.4 North America Halogen-Free Soldering Flux Production (2021-2032)
  - 1.3.5 Europe Halogen-Free Soldering Flux Production (2021-2032)
  - 1.3.6 China Halogen-Free Soldering Flux Production (2021-2032)
  - 1.3.7 Japan Halogen-Free Soldering Flux Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Halogen-Free Soldering Flux Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Halogen-Free Soldering Flux Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Halogen-Free Soldering Flux Demand (2021-2032)
- 2.2 World Halogen-Free Soldering Flux Consumption by Region
  - 2.2.1 World Halogen-Free Soldering Flux Consumption by Region (2021-2026)
  - 2.2.2 World Halogen-Free Soldering Flux Consumption Forecast by Region (2027-2032)
- 2.3 United States Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.4 China Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.5 Europe Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.6 Japan Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.7 South Korea Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.8 ASEAN Halogen-Free Soldering Flux Consumption (2021-2032)
- 2.9 India Halogen-Free Soldering Flux Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Halogen-Free Soldering Flux Production Value by Manufacturer (2021-2026)
- 3.2 World Halogen-Free Soldering Flux Production by Manufacturer (2021-2026)
- 3.3 World Halogen-Free Soldering Flux Average Price by Manufacturer (2021-2026)
- 3.4 Halogen-Free Soldering Flux Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Halogen-Free Soldering Flux Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Halogen-Free Soldering Flux in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Halogen-Free Soldering Flux in 2025
- 3.6 Halogen-Free Soldering Flux Market: Overall Company Footprint Analysis
  - 3.6.1 Halogen-Free Soldering Flux Market: Region Footprint
  - 3.6.2 Halogen-Free Soldering Flux Market: Company Product Type Footprint
  - 3.6.3 Halogen-Free Soldering Flux Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Halogen-Free Soldering Flux Production Value Comparison
  - 4.1.1 United States VS China: Halogen-Free Soldering Flux Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: Halogen-Free Soldering Flux Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Halogen-Free Soldering Flux Production Comparison
  - 4.2.1 United States VS China: Halogen-Free Soldering Flux Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Halogen-Free Soldering Flux Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Halogen-Free Soldering Flux Consumption Comparison
  - 4.3.1 United States VS China: Halogen-Free Soldering Flux Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: Halogen-Free Soldering Flux Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Halogen-Free Soldering Flux Manufacturers and Market

Share, 2021-2026

4.4.1 United States Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Halogen-Free Soldering Flux Production Value (2021-2026)

4.4.3 United States Based Manufacturers Halogen-Free Soldering Flux Production (2021-2026)

4.5 China Based Halogen-Free Soldering Flux Manufacturers and Market Share

4.5.1 China Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Halogen-Free Soldering Flux Production Value (2021-2026)

4.5.3 China Based Manufacturers Halogen-Free Soldering Flux Production (2021-2026)

4.6 Rest of World Based Halogen-Free Soldering Flux Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Halogen-Free Soldering Flux Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Halogen-Free Soldering Flux Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Halogen-Free Soldering Flux Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Halogen-Free Liquid Flux

5.2.2 Halogen-Free Paste Flux

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Halogen-Free Soldering Flux Production by Type (2021-2032)

5.3.2 World Halogen-Free Soldering Flux Production Value by Type (2021-2032)

5.3.3 World Halogen-Free Soldering Flux Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY CLEANING REQUIREMENT**

6.1 World Halogen-Free Soldering Flux Market Size Overview by Cleaning

Requirement: 2021 VS 2025 VS 2032

## 6.2 Segment Introduction by Cleaning Requirement

- 6.2.1 Halogen-Free No-Clean Flux
- 6.2.2 Halogen-Free Water-Soluble Flux
- 6.2.3 Halogen-Free Low-Residue Flux

## 6.3 Market Segment by Cleaning Requirement

- 6.3.1 World Halogen-Free Soldering Flux Production by Cleaning Requirement (2021-2032)
- 6.3.2 World Halogen-Free Soldering Flux Production Value by Cleaning Requirement (2021-2032)
- 6.3.3 World Halogen-Free Soldering Flux Average Price by Cleaning Requirement (2021-2032)

## **7 MARKET ANALYSIS BY SOLDERING PROCESS**

7.1 World Halogen-Free Soldering Flux Market Size Overview by Soldering Process: 2021 VS 2025 VS 2032

## 7.2 Segment Introduction by Soldering Process

- 7.2.1 Reflow Soldering Flux
- 7.2.2 Wave Soldering Flux
- 7.2.3 Selective Soldering Flux
- 7.2.4 Rework and Repair Flux

## 7.3 Market Segment by Soldering Process

- 7.3.1 World Halogen-Free Soldering Flux Production by Soldering Process (2021-2032)
- 7.3.2 World Halogen-Free Soldering Flux Production Value by Soldering Process (2021-2032)
- 7.3.3 World Halogen-Free Soldering Flux Average Price by Soldering Process (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Halogen-Free Soldering Flux Market Size Overview by Application: 2021 VS 2025 VS 2032

## 8.2 Segment Introduction by Application

- 8.2.1 Consumer Electronics
- 8.2.2 Automotive Electronics
- 8.2.3 Communications and Computing Equipment
- 8.2.4 Industrial and Power Electronics

8.2.5 Other

8.3 Market Segment by Application

8.3.1 World Halogen-Free Soldering Flux Production by Application (2021-2032)

8.3.2 World Halogen-Free Soldering Flux Production Value by Application (2021-2032)

8.3.3 World Halogen-Free Soldering Flux Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

9.1 Element Solutions

9.1.1 Element Solutions Details

9.1.2 Element Solutions Major Business

9.1.3 Element Solutions Halogen-Free Soldering Flux Product and Services

9.1.4 Element Solutions Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Element Solutions Recent Developments/Updates

9.1.6 Element Solutions Competitive Strengths & Weaknesses

9.2 Henkel

9.2.1 Henkel Details

9.2.2 Henkel Major Business

9.2.3 Henkel Halogen-Free Soldering Flux Product and Services

9.2.4 Henkel Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Henkel Recent Developments/Updates

9.2.6 Henkel Competitive Strengths & Weaknesses

9.3 Indium Corporation

9.3.1 Indium Corporation Details

9.3.2 Indium Corporation Major Business

9.3.3 Indium Corporation Halogen-Free Soldering Flux Product and Services

9.3.4 Indium Corporation Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Indium Corporation Recent Developments/Updates

9.3.6 Indium Corporation Competitive Strengths & Weaknesses

9.4 Illinois Tool Works

9.4.1 Illinois Tool Works Details

9.4.2 Illinois Tool Works Major Business

9.4.3 Illinois Tool Works Halogen-Free Soldering Flux Product and Services

9.4.4 Illinois Tool Works Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Illinois Tool Works Recent Developments/Updates

- 9.4.6 Illinois Tool Works Competitive Strengths & Weaknesses
- 9.5 AIM Solder
  - 9.5.1 AIM Solder Details
  - 9.5.2 AIM Solder Major Business
  - 9.5.3 AIM Solder Halogen-Free Soldering Flux Product and Services
  - 9.5.4 AIM Solder Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 AIM Solder Recent Developments/Updates
  - 9.5.6 AIM Solder Competitive Strengths & Weaknesses
- 9.6 Superior Flux
  - 9.6.1 Superior Flux Details
  - 9.6.2 Superior Flux Major Business
  - 9.6.3 Superior Flux Halogen-Free Soldering Flux Product and Services
  - 9.6.4 Superior Flux Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 Superior Flux Recent Developments/Updates
  - 9.6.6 Superior Flux Competitive Strengths & Weaknesses
- 9.7 Canfield Technologies
  - 9.7.1 Canfield Technologies Details
  - 9.7.2 Canfield Technologies Major Business
  - 9.7.3 Canfield Technologies Halogen-Free Soldering Flux Product and Services
  - 9.7.4 Canfield Technologies Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Canfield Technologies Recent Developments/Updates
  - 9.7.6 Canfield Technologies Competitive Strengths & Weaknesses
- 9.8 MG Chemicals
  - 9.8.1 MG Chemicals Details
  - 9.8.2 MG Chemicals Major Business
  - 9.8.3 MG Chemicals Halogen-Free Soldering Flux Product and Services
  - 9.8.4 MG Chemicals Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 MG Chemicals Recent Developments/Updates
  - 9.8.6 MG Chemicals Competitive Strengths & Weaknesses
- 9.9 Senju Metal Industry
  - 9.9.1 Senju Metal Industry Details
  - 9.9.2 Senju Metal Industry Major Business
  - 9.9.3 Senju Metal Industry Halogen-Free Soldering Flux Product and Services
  - 9.9.4 Senju Metal Industry Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.9.5 Senju Metal Industry Recent Developments/Updates
- 9.9.6 Senju Metal Industry Competitive Strengths & Weaknesses
- 9.10 TAMURA Corporation
  - 9.10.1 TAMURA Corporation Details
  - 9.10.2 TAMURA Corporation Major Business
  - 9.10.3 TAMURA Corporation Halogen-Free Soldering Flux Product and Services
  - 9.10.4 TAMURA Corporation Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 TAMURA Corporation Recent Developments/Updates
  - 9.10.6 TAMURA Corporation Competitive Strengths & Weaknesses
- 9.11 Nihon Superior
  - 9.11.1 Nihon Superior Details
  - 9.11.2 Nihon Superior Major Business
  - 9.11.3 Nihon Superior Halogen-Free Soldering Flux Product and Services
  - 9.11.4 Nihon Superior Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 Nihon Superior Recent Developments/Updates
  - 9.11.6 Nihon Superior Competitive Strengths & Weaknesses
- 9.12 Harima Chemicals Group
  - 9.12.1 Harima Chemicals Group Details
  - 9.12.2 Harima Chemicals Group Major Business
  - 9.12.3 Harima Chemicals Group Halogen-Free Soldering Flux Product and Services
  - 9.12.4 Harima Chemicals Group Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Harima Chemicals Group Recent Developments/Updates
  - 9.12.6 Harima Chemicals Group Competitive Strengths & Weaknesses
- 9.13 Heraeus
  - 9.13.1 Heraeus Details
  - 9.13.2 Heraeus Major Business
  - 9.13.3 Heraeus Halogen-Free Soldering Flux Product and Services
  - 9.13.4 Heraeus Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Heraeus Recent Developments/Updates
  - 9.13.6 Heraeus Competitive Strengths & Weaknesses
- 9.14 Inventec Performance Chemicals
  - 9.14.1 Inventec Performance Chemicals Details
  - 9.14.2 Inventec Performance Chemicals Major Business
  - 9.14.3 Inventec Performance Chemicals Halogen-Free Soldering Flux Product and Services

- 9.14.4 Inventec Performance Chemicals Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 Inventec Performance Chemicals Recent Developments/Updates
- 9.14.6 Inventec Performance Chemicals Competitive Strengths & Weaknesses
- 9.15 Balver Zinn
  - 9.15.1 Balver Zinn Details
  - 9.15.2 Balver Zinn Major Business
  - 9.15.3 Balver Zinn Halogen-Free Soldering Flux Product and Services
  - 9.15.4 Balver Zinn Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.15.5 Balver Zinn Recent Developments/Updates
  - 9.15.6 Balver Zinn Competitive Strengths & Weaknesses
- 9.16 SHENMAO Technology
  - 9.16.1 SHENMAO Technology Details
  - 9.16.2 SHENMAO Technology Major Business
  - 9.16.3 SHENMAO Technology Halogen-Free Soldering Flux Product and Services
  - 9.16.4 SHENMAO Technology Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.16.5 SHENMAO Technology Recent Developments/Updates
  - 9.16.6 SHENMAO Technology Competitive Strengths & Weaknesses
- 9.17 Tongfang Electronic New Material
  - 9.17.1 Tongfang Electronic New Material Details
  - 9.17.2 Tongfang Electronic New Material Major Business
  - 9.17.3 Tongfang Electronic New Material Halogen-Free Soldering Flux Product and Services
  - 9.17.4 Tongfang Electronic New Material Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.17.5 Tongfang Electronic New Material Recent Developments/Updates
  - 9.17.6 Tongfang Electronic New Material Competitive Strengths & Weaknesses
- 9.18 Shenzhen Vital New Material
  - 9.18.1 Shenzhen Vital New Material Details
  - 9.18.2 Shenzhen Vital New Material Major Business
  - 9.18.3 Shenzhen Vital New Material Halogen-Free Soldering Flux Product and Services
  - 9.18.4 Shenzhen Vital New Material Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.18.5 Shenzhen Vital New Material Recent Developments/Updates
  - 9.18.6 Shenzhen Vital New Material Competitive Strengths & Weaknesses
- 9.19 Shenzhen Fitech

- 9.19.1 Shenzhen Fitech Details
- 9.19.2 Shenzhen Fitech Major Business
- 9.19.3 Shenzhen Fitech Halogen-Free Soldering Flux Product and Services
- 9.19.4 Shenzhen Fitech Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.19.5 Shenzhen Fitech Recent Developments/Updates
- 9.19.6 Shenzhen Fitech Competitive Strengths & Weaknesses
- 9.20 Yik Shing Tat Industrial
  - 9.20.1 Yik Shing Tat Industrial Details
  - 9.20.2 Yik Shing Tat Industrial Major Business
  - 9.20.3 Yik Shing Tat Industrial Halogen-Free Soldering Flux Product and Services
  - 9.20.4 Yik Shing Tat Industrial Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.20.5 Yik Shing Tat Industrial Recent Developments/Updates
  - 9.20.6 Yik Shing Tat Industrial Competitive Strengths & Weaknesses
- 9.21 Shenzhen Jufeng Solder Products
  - 9.21.1 Shenzhen Jufeng Solder Products Details
  - 9.21.2 Shenzhen Jufeng Solder Products Major Business
  - 9.21.3 Shenzhen Jufeng Solder Products Halogen-Free Soldering Flux Product and Services
  - 9.21.4 Shenzhen Jufeng Solder Products Halogen-Free Soldering Flux Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.21.5 Shenzhen Jufeng Solder Products Recent Developments/Updates
  - 9.21.6 Shenzhen Jufeng Solder Products Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 Halogen-Free Soldering Flux Industry Chain
- 10.2 Halogen-Free Soldering Flux Upstream Analysis
  - 10.2.1 Halogen-Free Soldering Flux Core Raw Materials
  - 10.2.2 Main Manufacturers of Halogen-Free Soldering Flux Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Halogen-Free Soldering Flux Production Mode
- 10.6 Halogen-Free Soldering Flux Procurement Model
- 10.7 Halogen-Free Soldering Flux Industry Sales Model and Sales Channels
  - 10.7.1 Halogen-Free Soldering Flux Sales Model
  - 10.7.2 Halogen-Free Soldering Flux Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Halogen-Free Soldering Flux Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Halogen-Free Soldering Flux Production Value by Region (2021-2026) & (USD Million)

Table 3. World Halogen-Free Soldering Flux Production Value by Region (2027-2032) & (USD Million)

Table 4. World Halogen-Free Soldering Flux Production Value Market Share by Region (2021-2026)

Table 5. World Halogen-Free Soldering Flux Production Value Market Share by Region (2027-2032)

Table 6. World Halogen-Free Soldering Flux Production by Region (2021-2026) & (Kilotons)

Table 7. World Halogen-Free Soldering Flux Production by Region (2027-2032) & (Kilotons)

Table 8. World Halogen-Free Soldering Flux Production Market Share by Region (2021-2026)

Table 9. World Halogen-Free Soldering Flux Production Market Share by Region (2027-2032)

Table 10. World Halogen-Free Soldering Flux Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Halogen-Free Soldering Flux Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Halogen-Free Soldering Flux Major Market Trends

Table 13. World Halogen-Free Soldering Flux Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Halogen-Free Soldering Flux Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Halogen-Free Soldering Flux Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Halogen-Free Soldering Flux Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Halogen-Free Soldering Flux Producers in 2025

Table 18. World Halogen-Free Soldering Flux Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Halogen-Free Soldering Flux Producers in 2025

Table 20. World Halogen-Free Soldering Flux Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Halogen-Free Soldering Flux Company Evaluation Quadrant

Table 22. World Halogen-Free Soldering Flux Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Halogen-Free Soldering Flux Production Site of Key Manufacturer

Table 24. Halogen-Free Soldering Flux Market: Company Product Type Footprint

Table 25. Halogen-Free Soldering Flux Market: Company Product Application Footprint

Table 26. Halogen-Free Soldering Flux Competitive Factors

Table 27. Halogen-Free Soldering Flux New Entrant and Capacity Expansion Plans

Table 28. Halogen-Free Soldering Flux Mergers & Acquisitions Activity

Table 29. United States VS China Halogen-Free Soldering Flux Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Halogen-Free Soldering Flux Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Halogen-Free Soldering Flux Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Halogen-Free Soldering Flux Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Halogen-Free Soldering Flux Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Halogen-Free Soldering Flux Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Halogen-Free Soldering Flux Production Market Share (2021-2026)

Table 37. China Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Halogen-Free Soldering Flux Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Halogen-Free Soldering Flux Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Halogen-Free Soldering Flux Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Halogen-Free Soldering Flux Production Market

Share (2021-2026)

Table 42. Rest of World Based Halogen-Free Soldering Flux Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Halogen-Free Soldering Flux Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Halogen-Free Soldering Flux Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Halogen-Free Soldering Flux Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Halogen-Free Soldering Flux Production Market Share (2021-2026)

Table 47. World Halogen-Free Soldering Flux Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Halogen-Free Soldering Flux Production by Type (2021-2026) & (Kilotons)

Table 49. World Halogen-Free Soldering Flux Production by Type (2027-2032) & (Kilotons)

Table 50. World Halogen-Free Soldering Flux Production Value by Type (2021-2026) & (USD Million)

Table 51. World Halogen-Free Soldering Flux Production Value by Type (2027-2032) & (USD Million)

Table 52. World Halogen-Free Soldering Flux Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Halogen-Free Soldering Flux Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Halogen-Free Soldering Flux Production Value by Cleaning Requirement, (USD Million), 2021 & 2025 & 2032

Table 55. World Halogen-Free Soldering Flux Production by Cleaning Requirement (2021-2026) & (Kilotons)

Table 56. World Halogen-Free Soldering Flux Production by Cleaning Requirement (2027-2032) & (Kilotons)

Table 57. World Halogen-Free Soldering Flux Production Value by Cleaning Requirement (2021-2026) & (USD Million)

Table 58. World Halogen-Free Soldering Flux Production Value by Cleaning Requirement (2027-2032) & (USD Million)

Table 59. World Halogen-Free Soldering Flux Average Price by Cleaning Requirement (2021-2026) & (US\$/Ton)

Table 60. World Halogen-Free Soldering Flux Average Price by Cleaning Requirement (2027-2032) & (US\$/Ton)

Table 61. World Halogen-Free Soldering Flux Production Value by Soldering Process, (USD Million), 2021 & 2025 & 2032

Table 62. World Halogen-Free Soldering Flux Production by Soldering Process (2021-2026) & (Kilotons)

Table 63. World Halogen-Free Soldering Flux Production by Soldering Process (2027-2032) & (Kilotons)

Table 64. World Halogen-Free Soldering Flux Production Value by Soldering Process (2021-2026) & (USD Million)

Table 65. World Halogen-Free Soldering Flux Production Value by Soldering Process (2027-2032) & (USD Million)

Table 66. World Halogen-Free Soldering Flux Average Price by Soldering Process (2021-2026) & (US\$/Ton)

Table 67. World Halogen-Free Soldering Flux Average Price by Soldering Process (2027-2032) & (US\$/Ton)

Table 68. World Halogen-Free Soldering Flux Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Halogen-Free Soldering Flux Production by Application (2021-2026) & (Kilotons)

Table 70. World Halogen-Free Soldering Flux Production by Application (2027-2032) & (Kilotons)

Table 71. World Halogen-Free Soldering Flux Production Value by Application (2021-2026) & (USD Million)

Table 72. World Halogen-Free Soldering Flux Production Value by Application (2027-2032) & (USD Million)

Table 73. World Halogen-Free Soldering Flux Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Halogen-Free Soldering Flux Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. Element Solutions Basic Information, Manufacturing Base and Competitors

Table 76. Element Solutions Major Business

Table 77. Element Solutions Halogen-Free Soldering Flux Product and Services

Table 78. Element Solutions Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Element Solutions Recent Developments/Updates

Table 80. Element Solutions Competitive Strengths & Weaknesses

Table 81. Henkel Basic Information, Manufacturing Base and Competitors

Table 82. Henkel Major Business

Table 83. Henkel Halogen-Free Soldering Flux Product and Services

Table 84. Henkel Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Henkel Recent Developments/Updates

Table 86. Henkel Competitive Strengths & Weaknesses

Table 87. Indium Corporation Basic Information, Manufacturing Base and Competitors

Table 88. Indium Corporation Major Business

Table 89. Indium Corporation Halogen-Free Soldering Flux Product and Services

Table 90. Indium Corporation Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Indium Corporation Recent Developments/Updates

Table 92. Indium Corporation Competitive Strengths & Weaknesses

Table 93. Illinois Tool Works Basic Information, Manufacturing Base and Competitors

Table 94. Illinois Tool Works Major Business

Table 95. Illinois Tool Works Halogen-Free Soldering Flux Product and Services

Table 96. Illinois Tool Works Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Illinois Tool Works Recent Developments/Updates

Table 98. Illinois Tool Works Competitive Strengths & Weaknesses

Table 99. AIM Solder Basic Information, Manufacturing Base and Competitors

Table 100. AIM Solder Major Business

Table 101. AIM Solder Halogen-Free Soldering Flux Product and Services

Table 102. AIM Solder Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. AIM Solder Recent Developments/Updates

Table 104. AIM Solder Competitive Strengths & Weaknesses

Table 105. Superior Flux Basic Information, Manufacturing Base and Competitors

Table 106. Superior Flux Major Business

Table 107. Superior Flux Halogen-Free Soldering Flux Product and Services

Table 108. Superior Flux Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Superior Flux Recent Developments/Updates

Table 110. Superior Flux Competitive Strengths & Weaknesses

Table 111. Canfield Technologies Basic Information, Manufacturing Base and Competitors

Table 112. Canfield Technologies Major Business

Table 113. Canfield Technologies Halogen-Free Soldering Flux Product and Services

Table 114. Canfield Technologies Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Canfield Technologies Recent Developments/Updates

Table 116. Canfield Technologies Competitive Strengths & Weaknesses

Table 117. MG Chemicals Basic Information, Manufacturing Base and Competitors

Table 118. MG Chemicals Major Business

Table 119. MG Chemicals Halogen-Free Soldering Flux Product and Services

Table 120. MG Chemicals Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. MG Chemicals Recent Developments/Updates

Table 122. MG Chemicals Competitive Strengths & Weaknesses

Table 123. Senju Metal Industry Basic Information, Manufacturing Base and Competitors

Table 124. Senju Metal Industry Major Business

Table 125. Senju Metal Industry Halogen-Free Soldering Flux Product and Services

Table 126. Senju Metal Industry Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Senju Metal Industry Recent Developments/Updates

Table 128. Senju Metal Industry Competitive Strengths & Weaknesses

Table 129. TAMURA Corporation Basic Information, Manufacturing Base and Competitors

Table 130. TAMURA Corporation Major Business

Table 131. TAMURA Corporation Halogen-Free Soldering Flux Product and Services

Table 132. TAMURA Corporation Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. TAMURA Corporation Recent Developments/Updates

Table 134. TAMURA Corporation Competitive Strengths & Weaknesses

Table 135. Nihon Superior Basic Information, Manufacturing Base and Competitors

Table 136. Nihon Superior Major Business

Table 137. Nihon Superior Halogen-Free Soldering Flux Product and Services

Table 138. Nihon Superior Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Nihon Superior Recent Developments/Updates

Table 140. Nihon Superior Competitive Strengths & Weaknesses

Table 141. Harima Chemicals Group Basic Information, Manufacturing Base and Competitors

Table 142. Harima Chemicals Group Major Business

Table 143. Harima Chemicals Group Halogen-Free Soldering Flux Product and Services

Table 144. Harima Chemicals Group Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Harima Chemicals Group Recent Developments/Updates

Table 146. Harima Chemicals Group Competitive Strengths & Weaknesses

Table 147. Heraeus Basic Information, Manufacturing Base and Competitors

Table 148. Heraeus Major Business

Table 149. Heraeus Halogen-Free Soldering Flux Product and Services

Table 150. Heraeus Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Heraeus Recent Developments/Updates

Table 152. Heraeus Competitive Strengths & Weaknesses

Table 153. Inventec Performance Chemicals Basic Information, Manufacturing Base and Competitors

Table 154. Inventec Performance Chemicals Major Business

Table 155. Inventec Performance Chemicals Halogen-Free Soldering Flux Product and Services

Table 156. Inventec Performance Chemicals Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Inventec Performance Chemicals Recent Developments/Updates

Table 158. Inventec Performance Chemicals Competitive Strengths & Weaknesses

Table 159. Balver Zinn Basic Information, Manufacturing Base and Competitors

Table 160. Balver Zinn Major Business

Table 161. Balver Zinn Halogen-Free Soldering Flux Product and Services

Table 162. Balver Zinn Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Balver Zinn Recent Developments/Updates

Table 164. Balver Zinn Competitive Strengths & Weaknesses

Table 165. SHENMAO Technology Basic Information, Manufacturing Base and Competitors

Table 166. SHENMAO Technology Major Business

Table 167. SHENMAO Technology Halogen-Free Soldering Flux Product and Services

Table 168. SHENMAO Technology Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. SHENMAO Technology Recent Developments/Updates

Table 170. SHENMAO Technology Competitive Strengths & Weaknesses

Table 171. Tongfang Electronic New Material Basic Information, Manufacturing Base and Competitors

Table 172. Tongfang Electronic New Material Major Business

Table 173. Tongfang Electronic New Material Halogen-Free Soldering Flux Product and Services

Table 174. Tongfang Electronic New Material Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Tongfang Electronic New Material Recent Developments/Updates

Table 176. Tongfang Electronic New Material Competitive Strengths & Weaknesses

Table 177. Shenzhen Vital New Material Basic Information, Manufacturing Base and Competitors

Table 178. Shenzhen Vital New Material Major Business

Table 179. Shenzhen Vital New Material Halogen-Free Soldering Flux Product and Services

Table 180. Shenzhen Vital New Material Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Shenzhen Vital New Material Recent Developments/Updates

Table 182. Shenzhen Vital New Material Competitive Strengths & Weaknesses

Table 183. Shenzhen Fitech Basic Information, Manufacturing Base and Competitors

Table 184. Shenzhen Fitech Major Business

Table 185. Shenzhen Fitech Halogen-Free Soldering Flux Product and Services

Table 186. Shenzhen Fitech Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Shenzhen Fitech Recent Developments/Updates

Table 188. Shenzhen Fitech Competitive Strengths & Weaknesses

Table 189. Yik Shing Tat Industrial Basic Information, Manufacturing Base and Competitors

Table 190. Yik Shing Tat Industrial Major Business

Table 191. Yik Shing Tat Industrial Halogen-Free Soldering Flux Product and Services

Table 192. Yik Shing Tat Industrial Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Yik Shing Tat Industrial Recent Developments/Updates

Table 194. Yik Shing Tat Industrial Competitive Strengths & Weaknesses

Table 195. Shenzhen Jufeng Solder Products Basic Information, Manufacturing Base and Competitors

Table 196. Shenzhen Jufeng Solder Products Major Business

Table 197. Shenzhen Jufeng Solder Products Halogen-Free Soldering Flux Product and Services

Table 198. Shenzhen Jufeng Solder Products Halogen-Free Soldering Flux Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. Shenzhen Jufeng Solder Products Recent Developments/Updates

Table 200. Shenzhen Jufeng Solder Products Competitive Strengths & Weaknesses

Table 201. Global Key Players of Halogen-Free Soldering Flux Upstream (Raw Materials)

Table 202. Global Halogen-Free Soldering Flux Typical Customers

Table 203. Halogen-Free Soldering Flux Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Halogen-Free Soldering Flux Picture

Figure 2. World Halogen-Free Soldering Flux Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Halogen-Free Soldering Flux Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Halogen-Free Soldering Flux Production (2021-2032) & (Kilotons)

Figure 5. World Halogen-Free Soldering Flux Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Halogen-Free Soldering Flux Production Value Market Share by Region (2021-2032)

Figure 7. World Halogen-Free Soldering Flux Production Market Share by Region (2021-2032)

Figure 8. North America Halogen-Free Soldering Flux Production (2021-2032) & (Kilotons)

Figure 9. Europe Halogen-Free Soldering Flux Production (2021-2032) & (Kilotons)

Figure 10. China Halogen-Free Soldering Flux Production (2021-2032) & (Kilotons)

Figure 11. Japan Halogen-Free Soldering Flux Production (2021-2032) & (Kilotons)

Figure 12. Halogen-Free Soldering Flux Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 15. World Halogen-Free Soldering Flux Consumption Market Share by Region (2021-2032)

Figure 16. United States Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 17. China Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 18. Europe Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 19. Japan Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 21. ASEAN Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 22. India Halogen-Free Soldering Flux Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Halogen-Free Soldering Flux by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Halogen-Free Soldering Flux Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Halogen-Free Soldering

## Flux Markets in 2025

Figure 26. United States VS China: Halogen-Free Soldering Flux Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Halogen-Free Soldering Flux Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Halogen-Free Soldering Flux Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Halogen-Free Soldering Flux Production Market Share 2025

Figure 30. China Based Manufacturers Halogen-Free Soldering Flux Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Halogen-Free Soldering Flux Production Market Share 2025

Figure 32. World Halogen-Free Soldering Flux Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Halogen-Free Soldering Flux Production Value Market Share by Type in 2025

Figure 34. Halogen-Free Liquid Flux

Figure 35. Halogen-Free Paste Flux

Figure 36. Others

Figure 37. World Halogen-Free Soldering Flux Production Market Share by Type (2021-2032)

Figure 38. World Halogen-Free Soldering Flux Production Value Market Share by Type (2021-2032)

Figure 39. World Halogen-Free Soldering Flux Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. World Halogen-Free Soldering Flux Production Value by Cleaning Requirement, (USD Million), 2021 & 2025 & 2032

Figure 41. World Halogen-Free Soldering Flux Production Value Market Share by Cleaning Requirement in 2025

Figure 42. Halogen-Free No-Clean Flux

Figure 43. Halogen-Free Water-Soluble Flux

Figure 44. Halogen-Free Low-Residue Flux

Figure 45. World Halogen-Free Soldering Flux Production Market Share by Cleaning Requirement (2021-2032)

Figure 46. World Halogen-Free Soldering Flux Production Value Market Share by Cleaning Requirement (2021-2032)

Figure 47. World Halogen-Free Soldering Flux Average Price by Cleaning Requirement (2021-2032) & (US\$/Ton)

Figure 48. World Halogen-Free Soldering Flux Production Value by Soldering Process, (USD Million), 2021 & 2025 & 2032

Figure 49. World Halogen-Free Soldering Flux Production Value Market Share by Soldering Process in 2025

Figure 50. Reflow Soldering Flux

Figure 51. Wave Soldering Flux

Figure 52. Selective Soldering Flux

Figure 53. Rework and Repair Flux

Figure 54. World Halogen-Free Soldering Flux Production Market Share by Soldering Process (2021-2032)

Figure 55. World Halogen-Free Soldering Flux Production Value Market Share by Soldering Process (2021-2032)

Figure 56. World Halogen-Free Soldering Flux Average Price by Soldering Process (2021-2032) & (US\$/Ton)

Figure 57. World Halogen-Free Soldering Flux Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 58. World Halogen-Free Soldering Flux Production Value Market Share by Application in 2025

Figure 59. Consumer Electronics

Figure 60. Automotive Electronics

Figure 61. Communications and Computing Equipment

Figure 62. Industrial and Power Electronics

Figure 63. Other

Figure 64. World Halogen-Free Soldering Flux Production Market Share by Application (2021-2032)

Figure 65. World Halogen-Free Soldering Flux Production Value Market Share by Application (2021-2032)

Figure 66. World Halogen-Free Soldering Flux Average Price by Application (2021-2032) & (US\$/Ton)

Figure 67. Halogen-Free Soldering Flux Industry Chain

Figure 68. Halogen-Free Soldering Flux Procurement Model

Figure 69. Halogen-Free Soldering Flux Sales Model

Figure 70. Halogen-Free Soldering Flux Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

## I would like to order

Product name: Global Halogen-Free Soldering Flux Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G3D201133CA3EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3D201133CA3EN.html>