

# 2023

ANNUAL REPORT



# CONTENTS

## Introducing REACH24H

Global Layout	3
Milestones	4

## 2023 Keyword: PROGRESS



Industrial Chemicals	05
Agrochemicals	10
Cosmetics	12
Food	14
Packaging Materials	15
Pharmaceuticals	16
Sustainable Development	16

## 2023 Keyword: RESPONSIBILITY



Commitment to Social Welfare	24
Focusing on Employee Development	25

## 2023 Keyword: EXPANSION



New Field: Chemical Inspection and Testing Services	19
New Approach: Intelligent Compliance Solutions	20
-CHEMWISE	
-RISKWISE	
New Technology: AI-Empowered Compliance Services	22

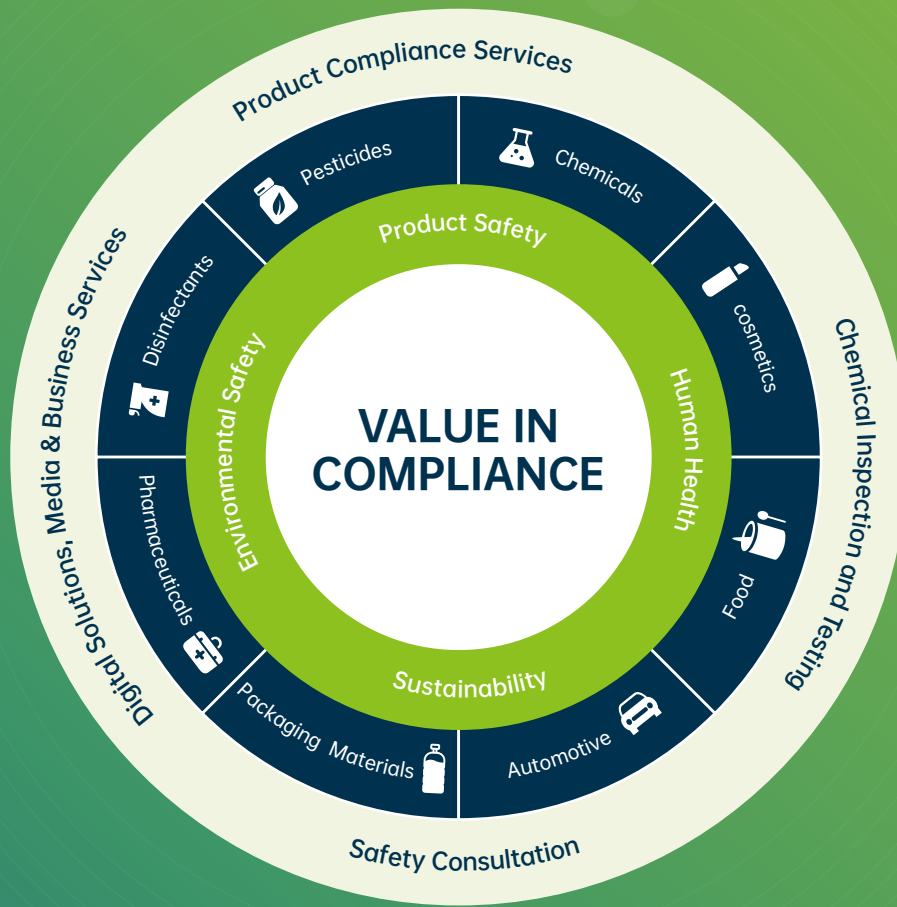
## 2024 REGULATORY OUTLOOK

Industrial Chemicals	30
Agrochemicals	34
Cosmetics	35
Food	37
Packaging Materials	38
Pharmaceuticals	39

# INTRODUCING REACH24H

Founded in 2009, REACH24H Consulting Group specializes in providing one-stop global market access services to companies in the fields of industrial chemicals, agrochemicals, cosmetics, food, packaging materials, and pharmaceuticals.

By offering a 24-hour global consulting service network and a technical expert team, REACH24H has helped enterprises and high-quality products take the initiative to trade, improve their understanding of technical barriers, and assist international trade departments and businesses to move from passive to active in the global market. To date, REACH24H has helped nearly 12,000 companies worldwide overcome technical trade barriers to smoothly navigate the global market.



# GLOBAL LAYOUT

## REACH24H

REACH24H Consulting Group	Haifan Technology Co., Ltd.	Ruiou BaiPharm Service Co.,Ltd	Shanghai EverCreative Standard Testing Co., Ltd.
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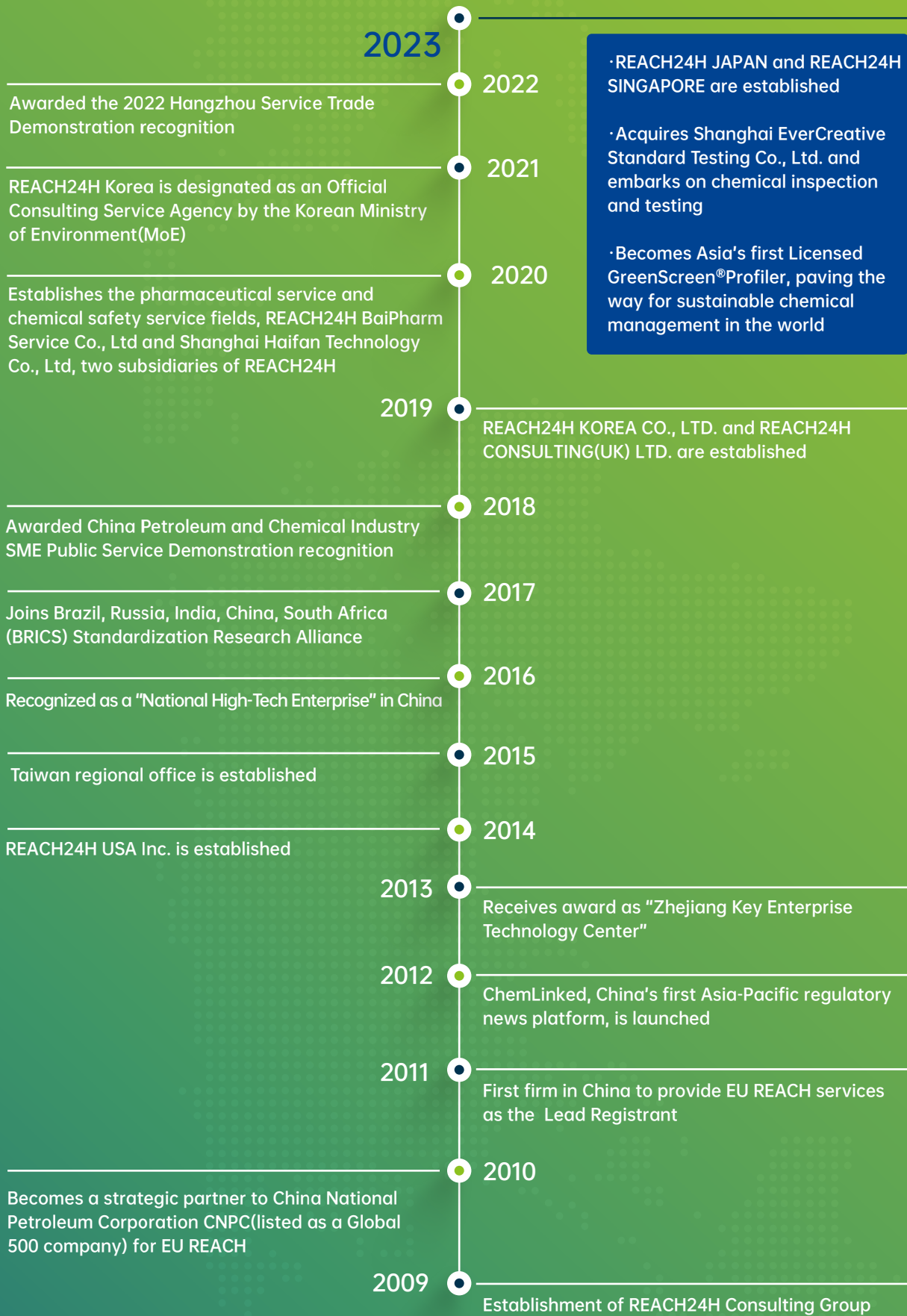


### Overseas Branches

- REACH COMPLIANCE SERVICES LIMITED
- REACH24H CONSULTING (UK) LTD.
- REACH24H JAPAN株式会社
- REACH24H KOREA CO., LTD.
- REACH24H PTE. LTD.
- REACH24H USA INC.
- Offices in India, Italy, Indonesia, Vietnam



# MILESTONES



# REACH24H PROGRESS

## 2023 Keyword

In the dynamic landscape of 2023, we confronted a formidable global political and economic environment, grappling with a surge in adverse factors and disruptions to the global supply chain. The year 2023 marked a pivotal moment in global economic recovery and development, following years of navigating the challenges posed by the COVID-19 pandemic. It was a period characterized by rapid transformations and uncertainties.

Throughout 2023, REACH24H unwaveringly fortified its service capabilities and deepened its professional expertise. By harnessing our resource advantages, we actively fostered collaboration and communication across diverse industries. Hand in hand with our esteemed industry partners and clients, we provided steadfast support for industry development and facilitated businesses in seizing global opportunities.

# INDUSTRIAL CHEMICALS

In 2023, REACH24H made significant strides in enhancing technical capabilities, expanding the depth and breadth of our services, and proactively responding to market demands to overcome business challenges.

To date, our chemical compliance services have expanded to encompass over 20 countries and regions, supported by a dedicated team of more than 90 professionals. We have been instrumental in helping global enterprises seize development opportunities and establish a stronger foothold in the global market.

**90+**  
Experts

Our exceptional team boasts internationally certified toxicologists and trade regulation experts, skillfully navigating the complexities of global trade policies.

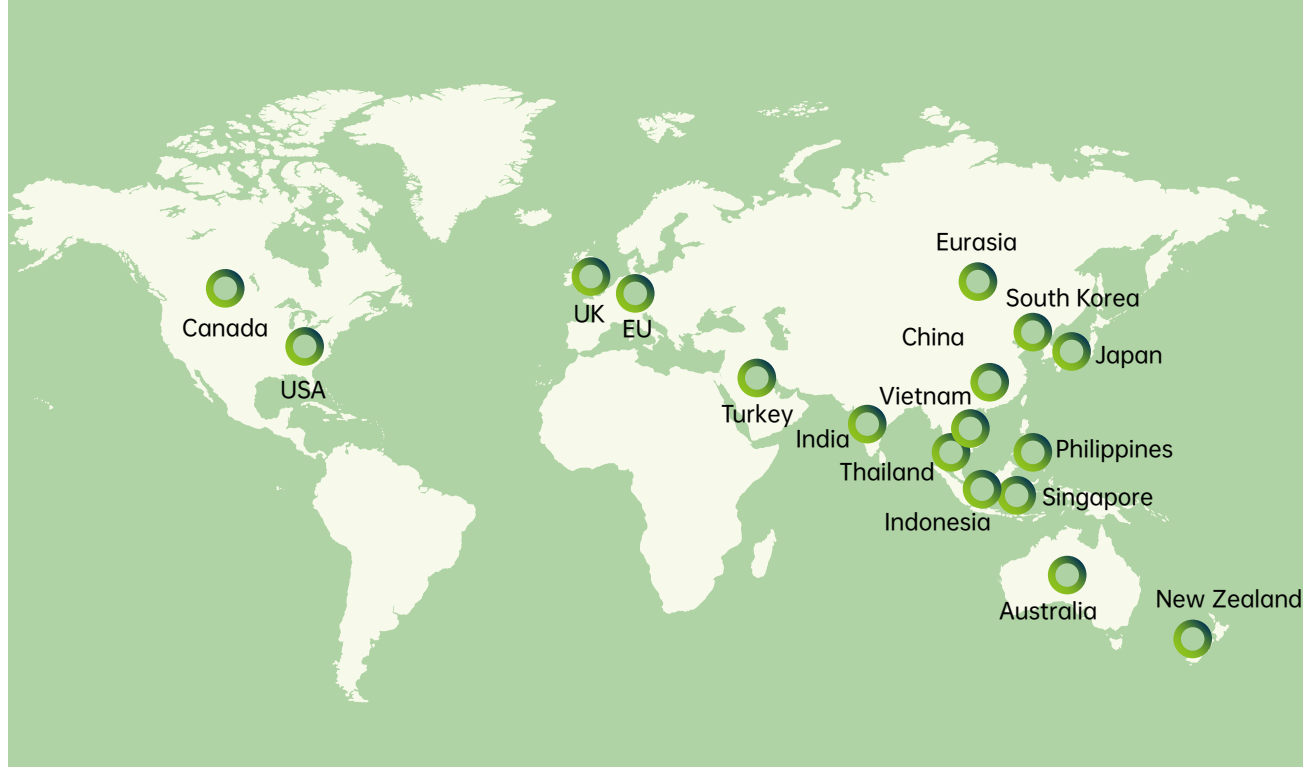
**98%**  
Hold Master's Degrees or Above

Our esteemed team members hail from prestigious research universities such as Zhejiang University, Hong Kong University, Chinese Academy of Sciences, Johns Hopkins University, etc.

**100%**  
Specialized in Relevant Fields

All our technical experts have specialized backgrounds in environmental science, life sciences, chemistry, toxicology, food, medicine, pharmacy and other scientific fields.

## One-Stop Global Chemical Compliance Service



## Facilitating Global Market Expansion

01

In 2023, REACH24H successfully assisted numerous companies in completing EU REACH registrations for hundreds of substances, providing crucial technical support for their market expansion in Europe.

02

In 2023, we helped companies achieve registration under the Turkey REACH "KKDIK" regulation for hundreds of substances. By strengthening registration scheme evaluations and utilizing existing data retrieval and simplified registration methods, we effectively reduced registration costs for businesses.

03

REACH24H achieved significant accomplishments in the field of new chemical substance registration under MEE Order No.12 in China, establishing collaborations with more companies:

- In 2023, certificates for regular registration obtained through REACH24H accounted for 17% of the total official announcements throughout the year. These registrations covered a wide range of uses, including agrochemical/pharmaceutical intermediates, battery materials, resin raw materials, fuel additives, and pesticide safeners. We have accumulated extensive experience in environmental risk assessment.
- We helped obtain certificates for simplified registration that accounted for 20% of the official announcements. With our strong technical capabilities and rich project experiences, we achieved a high rate of one-time approvals during the format review and technical review process, significantly shortening the duration of the registration.
- We assisted companies in solving the challenges of record notification for polymers. We independently developed a series of testing methods related to polymer stability and water absorption. We have successfully completed multiple submissions for correction, addressing widely recognized technical difficulties under controllable cost.

(Read more: [How to Prove Your Polymers Are Eligible for Record Notification Under China REACH?](#))

04

In 2023, REACH24H was once again recognized as an officially recommended consulting organization by South Korea's Ministry of Environment (MoE) and the Korea Chemicals Management Association (KCMA), ensuring smooth market entry to South Korea for companies.

05

Manufacturers whose companies reside outside of India are required to submit their Foreign Manufacturer Certification Scheme (FMCS) application to get a Bureau of Indian Standards (BIS) Licence to ensure the compliance of their products to applicable Indian Standard Specifications. In 2023, REACH24H established a dedicated compliance technical team for the Indian market, equipped with the ability to provide various BIS certification services for the chemical sector, particularly Scheme-I Indian Standard Institution Mark Scheme (ISI certification) and Scheme-II Compulsory Registration Scheme (CRS certification).

(Read more: [BIS FMCS Chemical Certification in India: What You Need to Know](#))

06

In 2023, REACH24H USA submitted several U.S. Toxic Substances Control Act (TSCA) Low Volume Exemption (LVE), and Canadian New Substance Notification (NSN) applications.



# Promoting Industry Exchange and Development

REACH24H hosted the 15th Chemical Regulatory Annual Conference (CRAC 2023) in person on Nov. 16-17, 2023. This conference was attended by experts from multiple government agencies and industry associations. This forum facilitated industry management trend discussions and exchanges with enterprises.

- China's Ministry of Ecology and Environment(MEE)
  - Foreign Environmental Cooperation Center
  - Solid Waste and Chemicals Management Center
  - Department of Solid Wastes and Chemicals
- China's Ministry of Emergency Management(MEM)
  - National Registration Center of Chemicals(NRCC)
- China's Research Institute of Highway
- Shanghai Customs
- European Chemicals Agency(ECHA)
- South Korea's National Institute of Environmental Research(NIER)

Read the CRAC2023 Report 



**Chemical Management Trends and Sustainable Business Development**  
Xuezhi Xiao | Chief Scientist | Foreign Environmental Cooperation Center, China's MEE



**Exploring the Chinese Chemical Environmental Management Policies**  
Tingting Yu | Official | Department of Solid Wastes and Chemicals, China's MEE



**EU Chemicals Management: Evolving Regulations and Enhanced Enforcement Insights**  
Henrik Hedlund | Chair | Enforcement Forum, ECHA



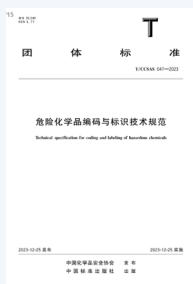
**MEE Order No. 12: New Chemical Registration Implementation Review and Outlook**  
Yan Ma | Expert | Solid Waste and Chemicals Management Center, China's MEE



**The Latest Trends in European Chemical Management**  
Catherine Cornu | Senior Scientific Officer | ECHA



**Current Status and Hazard Management of Nanomaterials in South Korea**  
Jaewoong Lee | Government Research Officer | South Korea's NIER



Leveraging the expertise of Haifan Technology Co., Ltd., a subsidiary of REACH24H Consulting Group, in the field of chemical safety management, we actively engaged in the development of the group standard T/CCSAS 047-2023 "Technical Specification for Coding and Labeling of Hazardous Chemicals," contributing to the advancement of hazardous chemical safety management.



We maintain good cooperative relationships with organizations such as the U.S. Department of Commerce, the U.S. Environmental Protection Agency(EPA), the American Chemistry Council(ACC), the Household & Commercial Products Association(HCPA), the PLASTICS Industry Association, and the Council on Safe Transportation of Hazardous Articles(COSTHA). As compliance experts, we have been invited multiple times to participate in relevant industry activities, engaging in discussions with representatives from diverse sectors in the United States regarding regulatory requirements for chemicals, pesticides and cosmetics, as well as exploring strategies for global market positioning.

We engage in close communication and collaboration with South Korea's Ministry of Environment(MoE), the National Institute of Environmental Research(NIER), the Korea Institute of Industrial Technology (KITECH), and other government organizations. We also partner with non-governmental organizations to promote the sustainable development and environmental protection of chemical management through the Korea Sustainable Chemicals Program(KSCP).

In collaboration with Shanghai Customs and the National Registration Center of Chemicals(NRCC) of China's Ministry of Emergency Management, REACH24H Consulting Group organized an exchange seminar in response to the initiation of the pilot reform of the import inspection mode of imported hazardous chemicals by Shanghai Customs and the changes in the "One Enterprise, One Product, One Code" policy. Over 300 industry practitioners participated in this event, fostering a fruitful exchange of knowledge and insights.



In 2023, REACH24H was invited to participate in a special workshop on the safety management of dangerous goods transportation between China and Germany. This workshop facilitated a dialogue on the development of dangerous goods transportation(TDG) between China's Ministry of Transport and the Safety of Dangerous Goods Packagings and Batteries Division of the Bundesanstalt für Materialforschung und -prüfung(BAM).



# AGROCHEMICALS

In 2023, REACH24H showcased its proficiency and expertise in agrochemical compliance services. Through our extensive experience and commitment to superior customer service, we effectively collaborated with the industry to deliver tangible value.

## Facilitating Global Market Expansion

### Chinese Pesticide Industry

- Since the implementation of China's new pesticide regulations, REACH24H has conducted in-depth research in the field of pesticide registration in China. Our technical capabilities and services have been recognized by numerous industry institutions and companies. As a result of the trust placed in us by enterprises, the volume of compliance projects for Chinese pesticides in 2023 increased by over 320% compared to 2022, with new commissioned projects growing by over 200%.

(Read more: [China's ICAMA Reveals Key Changes in Revised Draft of Measures on Pesticide Registration Management](#))

- In China's "14th Five-Year Plan" for the development of the national pesticide industry, green pesticides such as biopesticides are a key focus. In response to the challenges faced during the global registration process for biopesticides, such as analytical testing, toxicity assessment, environmental impact evaluation, and sequence similarity analysis based on molecular biology, REACH24H actively integrates multiple resources and continues to overcome registration difficulties. We have solidified our technical foundation in the safety assessment and registration strategies for new small molecule and biopolymer pesticides.

### European and American Pesticides Industry

Our technical strength and service quality in overseas pesticide registration, particularly in the European and American pesticide sectors, remain at a high level:

- In the area of [pesticide registration with the U.S. EPA](#), we assisted companies in obtaining 41 product registrations in 2023, including 9 federal registrations. Up to now, REACH24H has helped domestic and foreign enterprises obtain over 100 U.S. EPA pesticide registrations.
- Regarding [EU Plant Protection Products \(PPP\) pesticide registration](#), we obtained a total of 45 products' registration approvals, which cover 11 countries throughout the year. Currently, we have assisted over 240 products in obtaining EU pesticide registration approvals, involving more than 100 active substances.

### Disinfectants and Biocides Industry

- In 2023, REACH24H maintained a leading position in the field of compliance services for disinfectant products. Our business volume in EU BPR and Korean K-BPR increased by over 270% compared to 2022.



## Promoting Industry Exchange and Development

REACH24H hosted the CRAC 2023: Global Pesticide Registration and Market Trends session in an offline format on Nov 16-17, 2023. This session was attended by experts from multiple government agencies and industry associations.

### Esteemed Authorities and Institutions :

- Institute for the Control of Agrochemicals, Ministry of Agriculture of China(ICAMA)
- China Biostimulants Professional Committee
- Shanghai Chemical Examination & Mensuration Institution

### High-Profile Corporates:

- AgroPages
- Beijing Yingke Law Firm Changzhou Office
- INREX, L.L.C.
- Heli Technology Co., Ltd.
- LYDD
- Limin Group Co., Ltd.

Attendees had the opportunity to exchange insights and perspectives on the future of the pesticide industry, fostering discussions on industry development and potential collaborations.



**Li Zhao** Invited Keynote Speaker  
Deputy Director of Shanghai Chemical Examination & Mensuration Institution



**Insights into the Globalization Path of Chinese Pesticide Companies**  
Yongzhen Yang International Expert

In close partnership with the Zhejiang Crop Protection Industry Association(ZCPIA), REACH24H supported the successful organization of two editions of the "Green Pesticide Technology Conference" by the Zhejiang Crop Protection Innovation Application Development Committee. Together with the industry, we have explored the core topics related to the development of green pesticides, including new pesticide synthesis, disease and pest control, application development, process production, target discovery, regulatory policies, and digital transformation. By incorporating new technologies in the development of green pesticides, we are committed to addressing the critical scientific issues in green pesticide innovation.



# COSMETICS

REACH24H utilizes its professional expertise to streamline the entry of top-tier international cosmetic brands and products into the Chinese market, offering consumers an expanded range of choices. We also aid cosmetic companies in expanding their global market presence and navigating compliance hurdles in different countries, enabling them to seize untapped global market opportunities.

## Facilitating Global Market Expansion

- In 2023, there was a steady increase in demand for cosmetic registration and notification services in the Chinese market, with a 43% year-on-year growth in the number of approved cosmetic products.
- We assisted companies in obtaining registrations/notifications for eight new cosmetic ingredients in 2023. These ingredients encompassed a range of categories, such as biotechnological ingredients, fermentation ingredients, plant-based ingredients, edible ingredients, and polymers. Notably, half of the new ingredient projects employed alternative testing strategies instead of animal testing.
- We established collaborations with renowned global companies such as Unilever, Eternal, Natasha Denona, Etude House, and eSpor, providing them with regulatory and technical support for entering the Chinese market.
- We provided compliance services for global companies such as Proya Cosmetics and Kolmar Korea, facilitating market access in Europe, the United States, Japan, South Korea, and ASEAN countries with a 90% year-on-year growth compared to 2022.
- Following the release of new Chinese regulations for toothpaste products in 2023, our cosmetic team promptly responded and helped companies complete the simplified toothpaste notification process within the two-month transition period. This ensured the continuous sales of toothpaste products in China.

## Promoting Industry Exchange and Development

- We established close communication and cooperation with South Korea's Ministry of Health(MoH), Korea Health Industry Development Institute(KHIDI), Korea Cosmetic Industry Institute(KCII), and Korea Institute of Industrial Technology (KITECH). Internationally, we collaborated with regulatory authorities and industry associations such as the European Chemicals Agency(ECHA), China's National Medical Products Administration(NMPA), COSMED, the International Fragrance Association(IFRA), Japan Cosmetic Industry Association(JCIA), and the U.S. Food and Drug Administration(FDA), the Independent Beauty Association (IBA) and the Personal Care Products Council(PCPC), promoting global cooperation and exchange.



- As a co-organizer, REACH24H participated in the industry annual meeting organized by the China Association of Fragrance Flavour and Cosmetic Industries(CAFFCI), facilitating communication and cooperation among organizations from China, Japan, South Korea, and other countries in the fields of fragrance, flavour, and cosmetics.



- REACH24H Korea was invited as the first Korean keynote speaker, jury member, and chair of a panel discussion at in-cosmetics Global, one of the world's largest exhibitions for cosmetic ingredients.



- REACH24H co-hosted the webinar "Decoding New Approach Methods(NAMs) and Environmental Health Risk Assessment" with the Shanghai Society of Toxicology(SSOT). Together with experts and scholars in the field of toxicology, we discussed the NAMs and frontier topics in environmental health risk assessment, promoting the development and practice of environmental health risk assessment.





## PACKAGING MATERIALS

Under the background of sustainable development, REACH24H continues to focus on compliance services for recycled plastics and food contact materials. More companies recognize REACH24H's technical capabilities and professional services, choosing us as their compliance service provider. In 2023, we achieved a growth of 108% in the field of recycled plastics.

## Facilitating Global Market Expansion

- In 2023, REACH24H continued to explore new markets and expand our business boundaries. We collaborated comprehensively with leading recycled plastic producers in the Asia-Pacific region, assisting these companies in registering recycling processes, obtaining official certifications, and facilitating the smooth entry of their products into global target markets.

- We are committed to studying the Extended Producer Responsibility(EPR) policies for packaging in the European Union. With professional compliance service capabilities, we can help companies meet the packaging EPR requirements in Germany and France, enabling them to achieve their sustainable development goals.

- We assisted a Sino-Japanese joint venture in applying for the approval of two new varieties

of food-related products, namely additives used in the papermaking process, and successfully obtained approval from the National Health Commission of China.

- We supported global companies in applying for the U.S. Food Contact Notification(FCN), obtaining FDA approval for six new types of food contact materials, including biodegradable PLA plastic, modified polypropylene (PP), and various plastic additives.

- We assisted companies in conducting registrations for recycled plastics in the United States. In 2023, without conducting challenge tests, we successfully obtained three U.S. FDA "No Objection Letters" (NOL) for recycling processes by limiting the use scope.

## Promoting Industry Exchange and Development

- On Nov. 16-17, 2023, REACH24H organized the CRAC 2023: Global Insights on Recycled Plastics Session in person, with the participation of experts in the field of recycled plastics.
  - China's Institute of Economic System and Management(IESM)
  - Plastic Recycling Association of CRRA
  - Plastics Industry Development Center(PIDC) in Taiwan, China
  - Donghua University

This forum encouraged companies to spot new directions, opportunities, and development while mitigating risks in the vast potential market of recycled plastics.



# FOOD

In 2023, REACH24H expanded its food compliance services to cover the entire lifecycle of food imports. By integrating resources from the pharmaceutical, cosmetics, and other industries, we provided comprehensive cross-industry technical services to major consumer product companies like Walmart and government agencies, offering a more holistic approach.

## Facilitating Global Market Expansion

- REACH24H strengthened our food compliance technical capabilities in Southeast Asia, Japan, South Korea, Europe, America, and Australia-New Zealand regions. We assisted companies in expanding their products to global markets and provided comprehensive compliance consulting and technical services. For example, commissioned by COTTI COFFEE, we provided services such as multi-country product formula review, label design, and compliance access reports.
- REACH24H supported multiple companies in completing the declaration of new food additives in China.
- Our self-developed food compliance system, **COMBOX**, continued to collaborate with various well-known companies, providing digital solutions for food compliance audits.
- REACH24H provides leading companies like Sodial with global food safety information and regulatory alert services. Our services streamline information, provide rapid and effective solutions, save companies time in information filtering and decision-making, and efficiently avoid import and export compliance risks.
- REACH24H offers comprehensive compliance services for Korea's food regulations, covering areas such as new health-functional food, food additives, and infant foods. Our services encompass Korean regulation analysis, formulation review, labeling assessment, as well as import and distribution support in Korea. We provide end-to-end solutions to facilitate market entry into the Korean Food market.

## Promoting Industry Exchange and Development

In 2023, REACH24H established closer cooperation with partners such as the **Brazilian Consulate, Italian Consulate, Canadian Consulate, British Consulate, Philippine Embassy, U.S. government, the Australian government, China-Britain Business Council** in the fields of compliance and brand development, which aimed to enhance the visibility and compliance safety of high-quality overseas brands, and facilitate their successful entry into the Chinese market. We also reached framework cooperation agreements with some organizations, fostering mutual benefits and shared development.



## PHARMACEUTICALS

In 2023, REACH24H's pharmaceutical compliance team further strengthened its expertise in compliance registration services. We gained extensive experience in essential service projects, including Drug Master File(DMF) filing/annual report services, U.S. over-the-counter(OTC) drug listing services, and drug registrations with the Center for Drug Evaluation(CDE), NMPA. These services offered robust support for companies seeking compliant market entry into global markets.

## Facilitating Global Market Expansion

### (Q)SAR Prediction of Genotoxic Impurities in Chemical Drugs

We made significant progress in the QSAR prediction of genotoxic impurities in chemical drugs. We provided professional prediction services to renowned Chinese pharmaceutical companies such as Shenzhen Chipscreen and Xianju Pharmaceutical, receiving high recognition from our clients.

### Permitted Daily Exposure(PDE) Evaluation Report

We provided technical services to industry giants such as Fosun Pharma, BaiYunShan Pharmaceutical, China Resources Sanjiu, and Reyoung Pharmaceutical, delivering over 400 PDE evaluation reports.

We assisted multiple companies in successfully passing customer audits and official inspections, and our evaluation reports were widely recognized for their completeness and scientific rigor. The establishment of the Permitted Daily Exposure(PDE)/ Occupational Exposure Limit(OEL) database has begun to take shape, laying a solid foundation for the industry's compliant and orderly development.

## SUSTAINABLE DEVELOPMENT

In 2023, REACH24H committed to providing comprehensive green, low-carbon, and sustainable development services. We achieved a 300% growth in low-carbon sustainable businesses such as product carbon footprint assessments.

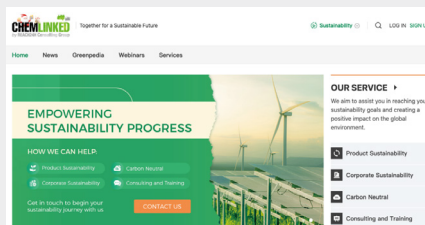
From the selection and assessment of green and safe chemicals introduced in raw materials to carbon footprint assessments, covering the entire life cycle of products, we offered one-stop sustainable development solutions to meet diverse needs such as supply chain transformation, product certification, and formulation optimization. Our services aim to help companies achieve environmentally friendly, low-carbon, and efficient operational models.

## Advancing Towards Sustainability

As Asia's First Licensed GreenScreen® Profiler, REACH24H successfully completed GreenScreen® Assessments for 14 substances, including organic compounds, inorganic compounds, and polymers. One substance was included in the TCO Certified Accepted Substance List after assessment, becoming a TCO-certified green alternative chemical. TCO Certified is the world-leading sustainability certification for IT products.

With strong technical expertise and extensive experience in carbon accounting, we obtained the "Certificate of Carbon Labelling Authority" from the Low Carbon Economy Professional Committee of the China Electronics Energy Saving Technology Association. Our team members also obtained the qualification of "Carbon Label Evaluator," enabling us to provide professional carbon footprint/carbon label evaluation services to clients.

ChemLinked launched the "Sustainability" portal in 2023. This portal covers global information, expert analysis, information databases, and compliance services, providing full lifecycle solutions from strategic planning to practical implementation for companies.



We are proud to announce the establishment of the Green Dual Carbon Co-construction Alliance between REACH24H and Anji Yucun Village. This alliance integrates our resources and strengths to drive sustainable development, in line with Yucun Village's commitment to "clear waters and lush mountains are invaluable assets." Located in Zhejiang Province, China, Yucun Village actively promotes green and low-carbon development, striving to become a "zero-carbon countryside." This partnership is a significant step towards a greener future, setting an example for other communities and reinforcing our dedication to sustainability.



## Promoting Industry Exchange and Development

As a partner, we were invited to attend the "2023 Impact Climate Innovation Conference" guided by the Department of Ecology and Environment of Hainan Province, where we exchanged and shared insights with industry peers.



We were invited to participate in a carbon neutrality symposium organized by the Japan External Trade Organization (JETRO), the largest trade association in Japan, to explore innovative solutions for carbon neutrality with international partners.



We were invited to participate in the "The 3rd ADN and Polyamide Technology and Market Forum" hosted by China Chemical Industry News, where we shared industry-leading technologies and market dynamics.



We collaborated with Huaxianbang, a Chinese leading trading platform in the chemical fiber industry, to support the green and low-carbon transformation of enterprises in the chemical fiber industry. We held a webinar on "Navigating the Green and Low-Carbon Landscape: Strategies for Enterprises," which was attended by over 5,000 viewers.



# REACH24H EXPANSION

## 2023 Keyword

In 2023, REACH24H continued to explore new service models, technological applications, and market opportunities to better serve its clients. With the rapid development in areas such as artificial intelligence, sustainable development, and digital transformation, REACH24H kept pace with the market and expanded into new fields to enhance the breadth and depth of its services.

# NEW FIELD

## Chemical Inspection and Testing Services



In 2023, REACH24H Consulting Group officially acquired Shanghai EverCreative Standard Testing Co., Ltd. (HCHB), expanding its service scope and venturing into the field of chemical inspection and testing services.

HCHB is equipped with its own laboratories and is recognized as an authorized agency for the customs-approved labs in Shanghai.

- Recognized as an authorized agency by the customs-approved labs.
- Obtained CMA and CNAS certification for inspection and testing institution qualifications.
- Constructed a state-of-the-art testing laboratory spanning nearly a thousand square meters.
- Extensive experience serving over 4,000 companies with a highly professional team.

### Services



### Qualification Certificates



By leveraging their extensive resources, expertise, and experience, REACH24H and HCHB are well-positioned to deliver dependable end-to-end solutions for clients worldwide. This alliance represents an exciting opportunity to contribute cutting-edge professional expertise to the field and drive advancements in chemical safety management and research.

# NEW APPROACH

## Intelligent Compliance Solutions

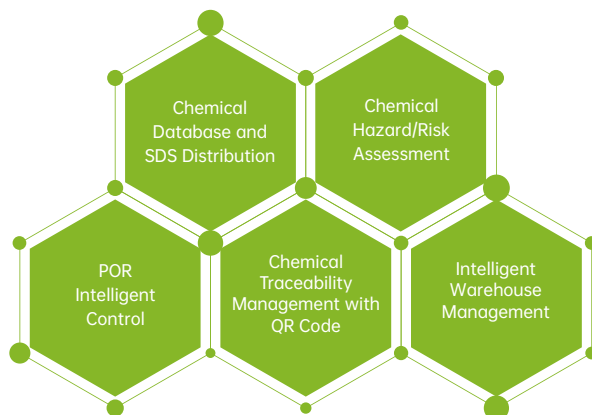
# CHEMWISE

## Intelligent Chemical Safety Management System

REACH24H has accumulated more than 10 years of practical experience in chemical compliance and safety management and has a vast amount of chemical data and assessment methods.

In 2023, REACH24H's subsidiary, Haifan Technology, officially launched the "CHEMWISE: Chemical Intelligent Management System," providing a new approach to enterprise chemical safety information management and helping more hazardous chemical companies efficiently address fundamental and professional chemical compliance management issues.

- CHEMWISE provides seven major functions for chemical lifecycle management.
- The chemical database contains over 30,000 chemical substances.
- The patented chemical assessment model automatically identifies chemical risks and management requirements.
- The integration of QR code technology, enables comprehensive chemicals lifecycle management for companies.



### Service Examples

Built a chemical intelligent management system for companies like Wanhua Chemical and a global top 500 electronics manufacturing company, enabling the transmission of chemical information between suppliers and enterprises. Leveraging the Haifan chemical knowledge base and chemical safety management model, safety assessments were conducted on the suppliers' chemicals to ensure their properties met the internal management requirements of the company.

Furthermore, reactive assessments were performed on the mixed wastewater from different production lines to avoid risks arising from the reactivity between complex chemical components in the wastewater. Based on the results of the reactive assessments, the system helped the enterprise select chemicals provided by suppliers.



## Intelligent Risk Management System for Chemicals

The risk intelligent management system "RISKWISE" is an intelligent risk management tool developed by Haifan Technology Co., Ltd. based on years of professional accumulation in the field of process safety and artificial intelligence technology. It can quickly, efficiently and accurately identify and manage chemical process safety risks, and provide solutions such as risk assessment, risk control and risk summary.



### Service Examples

Ningxia Ruite Technology Co., Ltd. conducted professional analysis and assessment of potential risks within the company and accurately classified the risks using the risk intelligent management system "RISKWISE". The Hazop work, originally planned to be completed by external consultants in 120 days, was accomplished by company engineers in 35 days, identifying a total of 2,277 risk scenarios, an 80% increase in analysis content for each device.

# NEW APPROACH

## AI-Empowered Compliance Services

Against the backdrop of the gradual maturity of artificial intelligence(AI) large-scale model technology, REACH24H has deeply integrated consulting services with AI, committed to providing efficient and intelligent compliance solutions.

By leveraging technologies such as LLM(Large Language Model), embedding, vector databases, and prompt engineering, breakthroughs have been achieved in areas such as data analysis and comparison, text summarization, automated information collection and structuring, and database development. This will result in a dual improvement in the quality of technical services and work efficiency.

By introducing AI technology in extracting key information from a large volume of agrochemical registration data, the compliance service process is significantly enhanced.

Automated workflow solutions have been developed for substance registration, GHS (Globally Harmonized System) projects, and more, further enhancing the efficiency of compliance services



The automated data cleaning of the chemical regulatory database enables faster and more accurate regulations retrieval.

This innovative approach not only optimizes internal workflow processes but also significantly enhances the customer service experience.

Through intelligent-driven service upgrades, REACH24H can assist companies in making more accurate decisions, rapidly generating decision results, and ultimately optimizing process efficiency and quality, thereby gaining more market opportunities and competitive advantages for businesses.

# REACH24H RESPONSIBILITY

2023 Keyword

At REACH24H, we understand that a company's journey begins with a strong sense of responsibility. Our progress is closely tied to the support of our country and society. That's why we believe that companies should take the initiative and actively embrace social responsibilities, actively participating in public welfare endeavours.



# Commitment to Social Welfare

In 2023, we organized a series of events with a focus on advancing rural education as well as the elderly. Through partnerships with schools in remote mountainous areas, we generously donated essential supplies. We also rallied together to support the elderly, reflecting our dedication to making a meaningful contribution to social development.



In April 2023, a team from REACH24H went to Xinxing Primary School in Ninglang Yi Autonomous County, Lijiang City, Yunnan Province of China, to conduct volunteer teaching activities and donate supplies and funds to this school and the students.



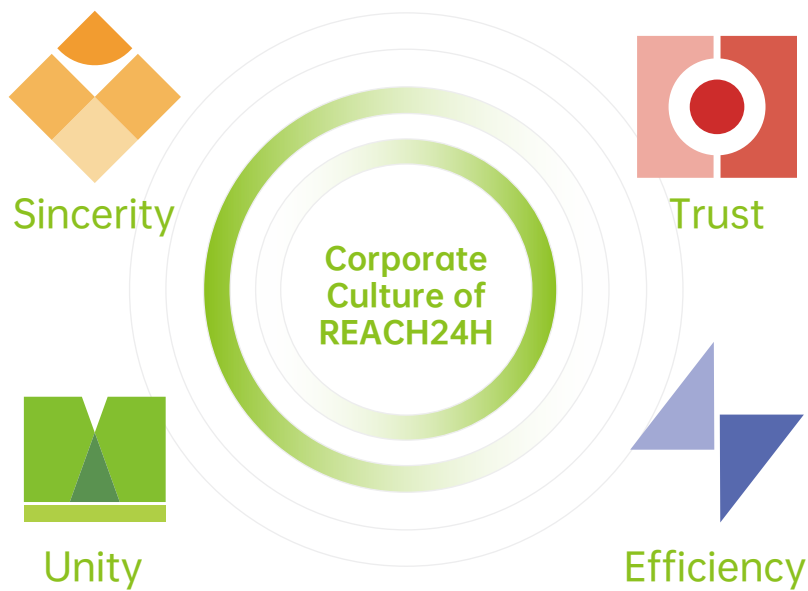
In December 2023, REACH24H organized its employees to volunteer at a Care Home for the elderly in Hangzhou City, donating daily necessities.





# Focusing on Employee Development

As a technology service company, REACH24H places great importance on the value of talent and considers it the cornerstone for our sustainable development. With a global presence across several countries and regions, we prioritize our people, fostering a diverse and inclusive work environment. We continuously enhance our systems and measures, providing employees with extensive platforms and growth opportunities for their development.



## Empowering Women in the Workplace

REACH24H has taken extensive measures to implement an equal and diverse recruitment and training system. We have introduced policies that prioritize employee diversity, establishing and nurturing an inclusive work environment. These efforts aim to ensure that our female employees have the necessary support for their career development, fostering a gender-equal workplace environment.

As of December 31, 2023, REACH24H employed a total of 312 individuals worldwide, with women comprising 66% of our workforce. Furthermore, among our high-level managers, women managers accounted for 63%.

Beyond providing fundamental benefits and holiday care, we continuously enhance our internal working environment and foster a supportive atmosphere. Our facilities include dedicated nursing rooms, and we regularly organize family education courses, family open days, parent-child trips, and other activities, demonstrating our commitment to providing compassionate care for our employees.



# Nurturing Career Growth

At REACH24H, we prioritize creating seamless career learning and development channels for all employees. We understand that different positions and life stages require tailored learning opportunities and resources. Therefore, we have made consistent investments in human capital, establishing a comprehensive training system that caters to various dimensions of professional and vocational skills. We also provide customized training channels, ensuring that individuals can acquire the knowledge and skills necessary to thrive in their roles. Our commitment to continuous learning and development enables our workforce to stay ahead in an ever-evolving business landscape.



Management of Technology(MOT) training courses for building professional customer service skills



Various office skills and career development training courses



**Get Started with Data Analysis from Scratch**

**Mastering Powerful PowerPoint Techniques**

**Excel Mastery: Essential Tips and Tricks**

**Master the Art of Business Negotiation**

**Business Etiquette and Image Building**

**Dress to Impress: Smart Dressing Tips**

## Vibrant Employee Engagement



Explore the Wonders of Yunnan Province: Staff Travel Excursion



Celebrating REACH24H's 14th Anniversary with Green and Low-Carbon Activities





▲ Birthdays and Festivities: Joyful Celebrations and Parties



▲ Various Engaging Employee Activities



REACH24H  
**REGULATORY  
OUTLOOK**  
2024



# Industrial Chemicals

## New Chemical Registration Compliance Under China's MEE Order No.12 in 2024

### ·Record Notification for Polymers

According to official inspections and corrective requirements for record notification for polymers in 2023, the stability assessment materials for identifying the applied substance is not subject to record notification exclusions have been deemed demanding, with a low pass rate for simple theoretical explanations.

If personnel in the company lack sufficient knowledge of polymer theory, REACH24H recommends seeking assistance from professional organizations. By combining polymer mechanisms, structural analysis, and cost-effective testing plans, we can provide a one-stop solution to the challenges of record notification for polymers.

### ·Simple Registration

The issue of accumulated environmental risks in simplified registration has been a major concern for companies since 2022. However, it has remained unresolved, becoming a pain point for compliance. Particularly for substances with non-intermediate uses, companies should conduct comprehensive investigations before initiating projects.

This includes researching the information on substances with simplified registration published by the Chinese authorities in previous batches, to avoid encountering accumulated environmental risk issues after submission. It is also recommended to actively communicate difficulties and seek solutions with the competent authorities.

### ·Regular Registration

Regular registration requires the submission of environmental risk assessment report, toxicological assessment reports, and even social-economic benefit analysis report, which present numerous technical challenges. It is advisable for companies to seek assistance from reliable and experienced cooperation partners with strong technical expertise to carry out various technical tasks. This can significantly shorten the registration period and reduce costs.

## Deadline for the First Batch of PEC Substances in the Taiwan Region is Approaching

By December 31, 2024, all Priority Existing Chemical (PEC) substances that obtained the first-stage registration code before 2019 must complete the standard registration. It is recommended that relevant companies start preparing documents and compiling dossiers no later than the end of June to avoid delays.

Following the PEC standard registration deadline, authorities will promptly initiate the submission of hazard assessment and exposure assessment reports. Ensuring timely compliance with these requirements is crucial for businesses to meet regulatory obligations and maintain a smooth transition in the regulatory landscape.

## New Requirements for "Industrial Use Only" Mixtures in PCN Notification from January 1, 2024

Starting from January 1, 2024, EU importers and downstream users (formulators) of "industrial use only" hazardous mixtures must comply with the coordinated information requirements specified in Annex VIII of the EU CLP Regulation when submitting new Poison Centre Notification (PCN). If hazardous mixtures for industrial use only have already been placed on the market and a PCN has been submitted through the national submission system before January 1, 2024, a one-year transition period until January 1, 2025, will be granted.

## Extension of Turkey REACH KKDIK Registration Deadline

On December 23, 2023, the official extension plan for Turkey REACH (KKDIK) registration was announced and came into effect. Depending on substance classification and tonnage, the registration deadline for different tonnages has been extended to December 31, 2026, December 31, 2028, and December 31, 2030. In 2024, companies can still engage in compliant trade in Turkey after completing pre-registration.

[\(Read more\)](#)

## Extension of UK REACH Registration Deadline

In 2023, the UK government issued The REACH (Amendment) Regulations 2023, announcing that the transitional grace period deadlines would be extended to October 27, 2026, October 27, 2028, and October 27, 2030, depending on substance classification and tonnage. In 2024, companies can still enter the UK market in compliance with UK REACH through Downstream User Import Notifications (DUIN) and "zero data" registrations.

[\(Read more\)](#)

## Reminder for the MSDS Buffer Period in South Korea

A reminder for companies with existing products in South Korea and tonnage between 10-100 tons: The buffer period (January 16, 2024) has expired, and MSDS must be prepared and submitted according to the new regulations. For existing products within the 1-10 ton range, there is only one year left until the buffer period deadline on January 16, 2025. Companies should prepare accordingly.

## Exemption for Certain Products Containing $\gamma$ -Butyrolactone from Import and Export Permits from January 1, 2024 in China

On December 28, 2023, the "Announcement on Optimizing Service Management Measures for Specific Products Containing  $\gamma$ -Butyrolactone" was released in China, which was implemented from January 1, 2024. The latest announcement states that for enterprises dealing with specific products such as photoresists, polyimide orientation liquids, and diluents containing  $\gamma$ -butyrolactone, some products will be exempt from import and export permits.



## Effective Date of IATA DGR 65th Edition 2024 from January 1, 2024

The International Air Transport Association (IATA) has released the 65th revised edition of the Dangerous Goods Regulations (DGR), which officially takes effect from January 1, 2024. These updated regulations play a critical role in ensuring the safe handling and transportation of dangerous goods by air.

## U.S. GHS Update

Revisions to the U.S. OSHA Hazard Communication Standard Final Rule are expected to be published in 1Q 2024 and are to be aligned with the seventh revised edition of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (UN GHS Rev 7) and with Health Canada's amended Hazardous Products Regulation (HPR).

## U.S. TSCA Updates

- **TSCA Asbestos Reporting Rule** (Section 8(a)) – reporting and recordkeeping requirement for asbestos for CY 2019-2022. Submission period from Feb 24 – May 24, 2024;
- **TSCA Chemical Data Reporting** (CDR 2024) Rule (Section 8(a)) - Submission Period from Jun 1 – Sep 30, 2024;
- **TSCA PFAS Data Reporting Rule** (Section 8(a)(7)) – one-time retroactive reporting and recordkeeping rule for PFA for CY 2011-2022. Submission period from Nov 12, 2024 – May 8, 2025;
- **TSCA Fees Final Rule** (Section 26) - expected to be issued in early 2024 and will substantially increase Pre-Manufacturing Notice (PMN) and Low Volume Exemption (LVE) submission fees.

## K-REACH Updates

- The South Korea's Ministry of Environment (MoE) conducted a public consultation period to disclose the chemical names of 257 new chemical substances as generic names, following the expiration of the data protection period in 2022.
- Currently, registration is required for manufacturing or importing new chemical substances in quantities exceeding 0.1 tonnes per year. Starting from January 1, 2025, in alignment with global regulatory harmonization and industry demands, the annual registration threshold will be raised to 1 tonne.
- Proposed simplification of exemptions for test data submission, allowing the provision of evaluation data sources instead of purchasing overseas data.

## K-BPR\* Updates

\*K-BPR: Consumer Chemical Products and Biocides Safety Control Act

- The list of existing biocide substances subject to the grace period of approval has been revised in 2023.
- Mandatory safety standards for consumer chemical products subject to safety verification will be enhanced, including strengthening safety and labeling standards.
- Regulatory revision regarding the use of Polymethyl Methacrylate, including exemptions from prohibition and the establishment of content restrictions.

## K-CCA Updates

- In 2023, the list of existing biocide substances subject to the grace period of approval has been revised.
- Six new substances have been designated as toxic substances.
- The chemical name and content range of seven toxic substances have been revised.
- The Regulations on Classification and Labeling have been revised, including:
  - Toxic substance(revision) : 28 substances
  - Toxic substance(new) : 6 substance
  - Accident preparation substance(revision) : 2 substance
- Three substances have been newly designated as toxic substances.
- Four toxic substances have had their chemical name and content range revised.
- The Regulations on Classification and Labeling have been revised for three new toxic substances.



# Agrochemicals

## US Approves Groundbreaking RNA-based Biopesticide, Paving the Way for Next-Generation Solutions

On December 22, 2023, the US Environmental Protection Agency (EPA) issued an approval announcement for the innovative biopesticide, Ledprona, marking the beginning of a new era in sustainable pest control in agriculture. This groundbreaking development aligns with the US's encouragement of new biopesticides and represents a significant step in addressing the challenges posed by climate change and pesticide resistance. Many countries, including China, have prioritized the development of safe, green, efficient, and biodegradable RNA-based pesticides. The approval of Ledprona and subsequent usage experiences may have a positive impact on the approval of RNA-based pesticides in various countries.

## Strategic Preparations for US Pesticide Market Expansion

The US EPA Pesticide Registration Improvement Act (PRIA) 5 was implemented at the end of 2022 and has been in effect for a year. Compared to the previous PRIA 4, both the official review fees and annual maintenance fees of the EPA have significantly increased (>30%), resulting in higher compliance costs for companies. However, the review timeline has not seen corresponding improvements. Additionally, the EPA has encountered issues with the front-end data submission system, leading to delays in thousands of projects in the latter half of the year. PRIA 5 is also addressing issues such as bilingual labeling for pesticides (English and Spanish), and digital transformation (e.g., digital labeling).

If a company has plans to enter the US market, it is advisable to plan and budget for pesticide registration in the US market in advance, taking into account the increasing administrative fees and extended timelines. Initiating the product registration process early can help minimize the pressure caused by the increasing administrative costs and longer timelines.

## EU Grants Approval for Glyphosate Reevaluation and Extends Validity Period to 10 Years

In 2023, the EU officially announced the reevaluation of glyphosate, approving an extension of its validity period for 10 years. The updated approval period for glyphosate is from December 16, 2023, to December 15, 2033. However, it is worth noting that on December 27, 2023, the German Federal Ministry of Food and Agriculture (BMEL) issued an emergency regulation suspending the complete ban on glyphosate. Relevant companies should stay updated on the latest developments.

## Upcoming Deadline for Second Batch of Active Substances Under K-BPR in South Korea

Under the Consumer Chemical Products and Biocides Safety Control Act (K-BPR), the transitional period for approval of vertebrate toxic agents (VTAs), invertebrate biological control agents (IBCA), and wood preservatives will end on December 31, 2024. This means that products containing these particular types of active substances should promptly initiate the application process for product authorization.



## Annual Report Submission Deadline in China for General Cosmetics: March 31, 2024

Since January 1, 2022, the China General Cosmetics Annual Report policy has been in effect. As part of this policy, cosmetic companies that meet the requirements must submit their product annual reports between January 1 and March 31, 2024. Notified products must adhere to this requirement, as failure to submit the annual report as mandated may lead to regulatory authorities issuing corrective actions according to the "Administrative Measures on Cosmetics Registration and Notification."

In the event of non-compliance, the notifier will be given a specified period to rectify the situation. If the non-compliance is not addressed within the given timeframe, Article 59 of the "Measures" stipulates that the product notification may be canceled.

## China Implements Mandatory Submission of Complete Cosmetic Safety Assessment Reports from May 1, 2024

In April 2021, China's National Medical Products Administration (NMPA) issued the "Technical Guidelines for Cosmetic Safety Assessment 2021," which clearly states that starting from May 1, 2024, a complete version of the cosmetic safety assessment reports must be submitted.

Compared to the previous simplified version, the complete version includes additional elements such as challenge test reports for preservatives, physical and chemical characteristics/stability testing reports, and compatibility testing reports for products and packaging materials. Additionally, it is no longer permitted to use the "highest historical use concentration listed in IECIC" and "highest historical use concentration of the company" as evidence for the assessment.

REACH24H recommends that relevant companies expedite the collection of toxicological data on ingredients and enhance their ingredient information database promptly.

## China Implements Mandatory Provision of Ingredient Safety-Related Information for New Cosmetic Products from January 1, 2024

Starting from January 1, 2024, China has implemented new regulations requiring the provision of safety-related information for cosmetic ingredients before registration or notification for new cosmetic products.

To ensure compliance, cosmetic notifiers in China are advised to thoroughly review and evaluate the authenticity and completeness of the submission code and corresponding safety information provided by ingredient manufacturers. In cases where authenticity is in doubt, it is recommended not to use the ingredient. Similarly, if there are concerns about completeness, cosmetic notifiers can supplement the missing ingredient safety information and submit it through self-reporting, explaining any issues with the submission code.



## Deadline for Toothpaste Product Label Updates in China: July 1, 2024

In September 2023, China's NMPA issued strengthened guidance on the implementation of new rules for toothpaste. For toothpaste products that have completed simplified notification, product labels need to be updated as required by July 1, 2024. In addition to the simplified notifications that only claim cleaning efficacy, toothpaste products should also upload and disclose summaries of the basis for claiming efficacy by December 1, 2025, through the notification platform.

## US FDA to Delay Enforcement of Some New MoCRA Requirements Until July 1, 2024

On December 18, 2023, the US Food and Drug Administration (FDA) made a significant announcement regarding the implementation of the electronic submission portal (Cosmetics Direct), under the Modernization of Cosmetics Regulation Act of 2022 (MoCRA). Alongside this launch, the FDA released updated Guidance on Registration and Listing of Cosmetic Product Facilities and Products. Foreign facilities are required to designate a U.S. Agent for registration purposes.

Starting from July 1, 2024, the FDA will enforce the facility registration and product listing requirements outlined in MoCRA. To ensure compliance, brands and manufacturers intending to export cosmetic products to the US are strongly advised to initiate preparations well in advance.

Other compliance requirements that came into effect Dec 29, 2023, include safety substantiation, adverse event recordkeeping and serious adverse event (SAE) reporting, professional-use cosmetics labeling, and FDA's mandatory recall authority. Requirements for U.S. contact information details need to be listed on the label to receive adverse events reports by Dec 29, 2024.

## Korea Announces New Banned List for Cosmetics

In an effort to enhance safety management and protect public health, South Korea's Ministry of Food and Drug Safety (MFDS) banned the use of five ingredients previously permitted for restricted use. These substances include O-aminophenol, Catechol (Pyrocatechol), m-Phenylenediamine, m-Phenylenediamine HCl, and Pyrogallol. Manufacturers and importers will be prohibited from producing or importing products containing these ingredients starting from six months after the revision announcement, specifically from August 22, 2024.

## Korea Publishes Guidelines for Cosmetic Colorant Testing Methods

The recently published guidelines provide test procedures for 101 permitted colorants, along with 35 general test methods for colorants.

## Korea Categorizes Eyelash Perm Products as Cosmetics

On September 12, 2023, the Ministry of Food and Drug Safety (MFDS) announced eyelash perm products will now be classified and regulated as cosmetics.

## Korea Adds New UV Filter Ingredient to the List

MFDS has introduced Methoxypropylamino Cyclohexenylidene Ethoxyethylcyanoacetate as a new UV filter ingredient, with a maximum concentration limit of 3%.

## Korea Issues New Alternative Animal Testing Guideline

MFDS has issued a new alternative animal testing guideline called "Guidelines for Alternative Animal Testing Method of Cosmetics: Eye Irritation (Acute Eye Damage or Irritation) Test using Reconstructed Human Cornea-like Epithelium (RhCE)."



## China Implements Stricter Regulations for Food for Special Medical Purposes from January 1, 2024

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The "Administrative Measures for Registration of Foods for Special Medical Purpose" have been officially implemented in China, starting from January 1, 2024. These new regulations introduce stricter requirements for applicant responsibilities, application materials, on-site inspections, and labelling. To ensure compliance, companies intending to apply for special medical purpose foods are advised to carefully review and prepare for these requirements in advance. REACH24H recommends proactive preparation to meet the new regulations and successfully navigate the registration process.

## China's New Food Labelling Standards Expected to be Released in 2024

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China is currently developing new versions of the "GB 7718-2011 National Food Safety Standard General Standard for the Labeling of Prepackaged Foods" and the "GB 28050-2011 National Food Safety Standard General Rules for Nutrition Labeling of Prepackaged Foods." These updated standards are anticipated to be released in 2024. Additionally, the potential implementation of the "Administrative Measures on Health Food Labeling" will further impact the labelling requirements for both imported and domestically produced food products. It is advised that companies stay informed about the progress of these standards and make necessary adjustments to comply with the updated regulations in a timely manner.

## U.S. FDA New Human Foods Program

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The U.S. Food and Drug Administration's (FDA) massive reorganization to create a proposed unified Human Foods Program may not be finalized until Jun 2024. The Human Foods Program initial top 3 priorities include: preventing foodborne illness, improving nutrition, and enhancing chemical safety including the review of food additives.



# Packaging Materials

## Attention Required: Updated Food Contact Material Product Standards in China in 2024

In September 2023, China National Health Commission issued 17 new national food safety standards, including 5 food contact material product standards and 12 testing standards. These updated standards impose stricter requirements on plastics, metals, rubber, inks, and composite materials used in food contact. They provide detailed provisions on raw material requirements, physicochemical indicators, technical indicators, and labeling.

In 2024, it is crucial for relevant companies to focus on the following:

1. **Stay informed:** Stay updated on the latest updates to China's food contact material standards by maintaining communication channels with the National Health Commission and other relevant agencies.
2. **Review and compliance:** Conduct a thorough review of already produced products to ensure compliance with the latest standard requirements for raw materials.
3. **Strengthen product research and development,** as well as technological innovation, to meet the evolving market and standard requirements, thereby ensuring sustainable development.

In 2024, it is crucial for relevant companies to focus on the following:

1. **Stay informed:** Stay updated on the latest updates to China's food contact material standards by maintaining communication channels with the National Health Commission and other relevant agencies.
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# Pharmaceuticals

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## Transition to PDE/HBEL-Based Inspection Method by Chinese Regulatory Authorities

China Center for Food and Drug Inspection(CFDA) recently issued the Quality Risk Management Guidance for the Manufacture of Different Medical Products in Shared Facilities to reduce contamination and cross-contamination in products that share manufacturing facilities. The calculation of Health-based Exposure Limits(HBEL) for the production of different pharmaceutical products in shared facilities has gradually been agreed upon by domestic and foreign national drug authorities. The previous methods of 10 ppm and one-thousandth of the therapeutic dose will no longer be applicable. It is crucial for companies to promptly conduct Permitted Daily Exposure(PDE) assessments and rigorously control potential risks during the production process.

## Attention: Growing Focus on Nitrosamine Impurity Control for Companies in China

Chinese pharmaceutical regulatory authorities have shifted their attention towards the study and control of nitrosamine impurities in chemical drugs. The identification and control of potential nitrosamine impurities in active pharmaceutical ingredients and formulations are now crucial aspects of Chemistry, Manufacturing, and Controls(CMC) research.

With ongoing efforts from regulatory authority experts, the study and control of nitrosamine impurities are becoming more regulated. It is imperative for companies to elevate their level of attention towards nitrosamine impurities, effectively ensuring pharmaceutical safety, and minimizing potential quality risks.



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# VALUE IN COMPLIANCE

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