



# RCHEM SONGHYUN

CHEMICAL CONSULTING SERVICES



Environment and People Come First

 02)3144-0974

 02)3144-4969

 [www.rcsh.co.kr](http://www.rcsh.co.kr)

 [blog.naver.com/rcsh0974](http://blog.naver.com/rcsh0974)

 2F 44-7, World Cup buk-ro 4-gil, Mapo-gu,  
03993, Seoul, Republic of Korea





A meticulous and professional consulting agency that helps customers easily understand and meet their needs.



## Substances Registration

Management of 200 CICOs

Act on the Registration and Evaluation of Chemical Substances

## CCA

Regulatory Services to Hazardous Chemical Substances

Chemicals Control Act

## MSDS

Automatic Preparation Tool (MSDS Manager)

Occupational Safety and Health Act

## Biocide

Approval of Substances and Product Categories

The Biocidal Products Regulation (BPR)

We provide various consulting services to government agencies and companies, including the registration and risk assessment of chemicals, approval of biocides, preparation and submission of MSDS (Material Safety Data Sheet), non-disclosure approval, chemical accident prevention management plan, installation inspection of hazardous chemical handling facilities, regular and occasional inspections, risk assessment, etc.



*Environment and People come First*

We are committed to repay your trust with our best effort

# Main Achievements

## History



### ~2017

- GHS Classification of Chemicals and MSDS Preparation (Ministry of Employment and Labor, 2013-2017)
- Chemical Substances Risk Assessment (SKH, 2015-2016)
- Establishment of OHSMS (Occupational Health & Safety Management System) at SK Hynix (2015-2016)
- Reliability Verification of Hazardous Chemicals MSDS at SKH, S-Electronics (2017)
- Submission of Off-site Risk Assessment (KT&G, 2016-2017)
- Semiconductor Expansion Consulting for 4 Laws S-Electronics (2016-2017)
- K-REACH Substance Registration Consulting (HMGK, 2017)
- Preparation of Off-site Risk Assessment and Installation Inspection for 30 Plating factories (2017)
- Reliability Verification of MSDS at S-Electronics (2017)

### 2018

- Detailed Diagnosis of Korea District Heating Corporation (7 branches) Handling Facilities (KDHC, 2018)
- K-REACH Registration Consulting (Geowon, Chemiline, FRSI, and Many Others, 2018)
- K-REACH One-to-one Customized On-site Consulting (KCMA, 2018)
- Preparation New MSDS (OSHRI, 2018)
- Chemical Substance Risk Assessment (SKH, 2018)
- Risk Assessment of Cooling Tower Water Treatment Agents (SKH, 2018)
- Semiconductor Factory Consulting for 4 Laws (S-Electronics Pyeongtaek PJT, 2018)

### 2019

- Support Project for the Entire Process of Joint Registration of SMEs (KCMA, 2019)
- K-REACH Registration Consulting (Geowon, IQVape, Applied, and Many Others, 2019)
- K-REACH Registration and Only Representative (OR) Service (Enthone, et al, 2019)
- Support Project of K-REACH Registration Consulting for SMEs (Dong-A, Larp, C&P, 2019) - Korea SMEs and Startups Agency (2019)
- MSDS (SDS) Reliability (Conformity) Assessment Service (S-display, 2019)
- Research Service for Development and Modeling of Measurement and Analysis Methods for Substances without Exposure Limits (SKH, 2019)
- Special Safety Training for the SMEs that have Vulnerable Facilities (KCMA, 2019)
- Consulting on Chemical Control Act for Many SMEs (2019)

### 2020

- Support Project for the Entire Process of Joint Registration of SMEs (KCMA, 2020)
- Implementation Support Project for SMEs Chemical Control Act(VI) (KCMA, 2020)
- Supporting Project of Biocide Approval Implementation for SMEs (KEITI, 2020)
- Research Service for Improving Classification and Labeling of Chemical Substances (I) (NIER, 2020)
- Checking Business for Hazard Information of Existing Chemical Substances (KCMA, 2020)
- Operation of Joint Dossiers for about 25 Existing Chemical Substances by K-REACH (Hands et al., 2020)
- Research Service for Comparative Analysis of Major Domestic and Foreign Chemical Regulations and a Study on Regulatory Rationalization Measures (MOTIE, 2020)
- Reliability Verification of MSDS (Steco, 2019-2020)
- Special Safety Training for the SMEs that have Vulnerable Facilities (KCMA, 2020)
- Consulting on Chemical Control Act for Many SMEs (2020)

### 2021

- Support Project for the Entire Process of Joint Registration of SMEs (KCMA, 2021)
- Support Project for the Entire Process of Biocide Approval of SMEs (KCMA, 2021)
- Customized Support Project for Biocide Approval Process for SMEs (KCMA, 2021)
- Research Service for Initial Risk Assessment of Registered Chemical Substances (NIER, 2021)
- Special Safety Training for Vulnerable Facilities (KCMA, 2021)
- Voucher Project for Manufacturing Innovation (Korea SMEs and Startups Agency, 2021)
- Consulting on Chemical Control Act for Many Enterprises (2021)

### 2022

- Support Project for the Entire Process of Joint Registration of SMEs (KCMA, 2022)
- Support Project for the Entire Process of Biocide Approval of SMEs (KCMA, 2022)
- Customized Support Project for Biocide Approval Process for SMEs (KCMA, 2022)
- Research Service for Improving Classification and Labeling of Chemical Substances (III) (NIER, 2022)
- Hazardous Chemical Substance Investigation Service (Y-Medical Center, 2022)
- Checking Business for Hazard Information of Existing Chemical Substances (KCMA, 2022)
- Consulting on Development of Safety Diagnosis and Health System (KCMA, 2022)
- Consulting for Many SMEs and Creating MSDS (2022)

### 2023

- Support Project for the Entire Process of Joint Registration of SMEs (KCMA, 2023)
- Individual Registration for K-REACH/New Chemical Substances/Later Registration/Exemption of Polymer Registration (Hanwha Global and Many Others, 2023)
- Support Project for Creating Exposure Scenarios (KCMA, 2023)
- Consulting Support Project for Biocide and Biocidal Product for SMEs (2023)
- Research of Service for Improving Classification and Labeling of Chemical Substances (IV) (NIER, 2023)
- Development of Automatic Hazard Classification System (S-Electronics, 2023)
- Consulting on Chemical Control Act, such as Chemical Accident Prevention Management Plan, for Many SMEs (2023)
- Consulting on Creating MSDS and Non-Disclosure Approval for Many SMEs (2023)



# Certificates

Major Business

Specialized  
Agency for Chemical  
Substance Registration  
(K-REACH)

Agency Specializing  
in Approval  
of Biocides

Korea Chemicals  
Management  
Association Registered  
Consulting Agency

Consulting Agency  
Registered with  
the Ministry of  
SMEs and Startups

Integrated Permit  
Agency in Ministry  
of Environment

Agency for  
Environmental  
Consulting

## • K-REACH (ARECs)

- Pre-registration of Existing Chemicals
- Registration of Existing Substances (Joint submission)
- Notification/Registration of New Chemical Substances
- Consulting on Late Registration
- Follow-up Management Response
- The Only Representative (OR) Service
- Exemption of Polymer Material Registration

## • Consumer Chemical Products and Biocides Safety Control Act

- Notification of Existing Biocides
- Biocidal Substance Approval/Plan
- Approval of Biocidal Substance/Product
- Compliance with Safety Standards for Biocide-Treated Products
- Approval for Consumer Chemical Products Subjected to Safety Check

## • Occupational Safety and Health Act

- Creation and Review of MSDS (Material Safety Data Sheet) Reliability
- Non-Disclosure Approval (Trade Secret, OR)
- Automatic MSDS Creation Program
- Risk Assessment
- Establishment of Safety and Health Management System
- Chemical Substance Investigation Service

## • Chemicals Control Act

- Consulting on New/Expansion Factory
- Consulting on Inspection of Hazardous Chemical Handling Facilities (Regular/Occasional/Installation)
- Preparation of Drawings such as P&ID, PFD, etc., and Preparation of Prior Written Inspection Data.
- Chemical Accident Prevention Management Plan
- Consulting on Business License/Permission to Change



## K-REACH

## Consumer Chemical Products and Biocides Safety Control Act



### Registration of Chemical Substances

Prior Reporting in Accordance with the Act on Registration and Evaluation of Chemical Substances, Homogeneity Analysis, Data Gap Analysis, Formation of a Consultative Body for Joint Registration, Registration of New and Existing Chemical Substances, Production of Test Data, and Review of Suitability of Test Data, Consulting Support Such as Follow-Up Management After Registration.



### Consumer Chemical Products Subjected to Safety Check

Reporting and Approval of Household Chemical Products Subject to Safety Confirmation in Accordance with the Chemical Product Safety Act. (Cleaning Products, Laundry Products, Coating Products, Adhesive Products, Deodorizing Products, Sterilizing Products, Disinfect Products, etc.)



### Approval of Biocide

Consulting on Approval of Biocidal Substances, Biocidal Products, and Compliance with Safety Standards for Biocidal Products by the Consumer Chemical Products and Biocides Safety Control Act.



### Chemical Safety Report (CSR)

Creation of CSR in Accordance with K-REACH, Chemical Product Safety Act; Review and Evaluation of Exposure and Toxicity Information to Predict Possible Effects on Human Health or the Environment from Handling Chemicals.



## Registration of Chemical Substances

01

### Selection of Representative in Form Consortium

▶ Investigation of Participation Type

- **Active** : Parties to the Convention, Participation in Joint Registration, and Registration Earlier Regardless of the Suspension Agency by Tonnage.
- **Passive** : Late Registrants without Participating in the Joint Registration, Proceed with Late Registration, Purchasing 'LoA' After the Registration of the Parties to the Convention is Completed.

02

### Dossier Preparation

- Confirmation of Homogeneity
- Hold Kick-off Meeting for Parties to the Convention
- Data Gap Analysis
- Obtaining Hazard Test Data (Production/Purchase)
- Distribution of Costs Required for Production and Purchase of Test Data
- Writing Dossier & CSR

03

### Submission of Registration Dossier & Completion of Registration Notice

- Registration of Parties to the Convention after Notification of Representative Registration
- Response to Request about Dossier Improvement

04

### Late Registration

- LoA(Letter of Access) Sales and Settlement After Completing Registration of Active Registrants
- Late Registration Progress



## Occupational Safety and Health Act



### MSDS Preparation and Submission Non-Disclosure Approval (GHS Classification)

GHS Classification According to National Laws (Ministry of Employment and Labor Notice, Occupational Safety and Health Act, K-REACH, and Safety Control of Dangerous Substances Act, etc.), MSDS, Consulting on the Creation of Warning Labels, Reliability Review, and the Creation of Customized MSDS According to GHS-Related Regulations of the Export Target Country, Consulting on MSDS Submission and Non-Disclosure Approval

## Serious Accident Punishment Act



### Risk Assessment

Consulting on Risk Assessment: Employers Obligated to Implement Safety and Health Measures in Their Workplace should Take the Lead in Identifying and Evaluating All Harmful Threat Factors Relevant to Their Workplace, as Stipulated by the Occupational Safety and Health Act.



### Establishment of a Safety and Health Management System.

Support for Establishing a Safety and Health Management System under the Serious Accident Punishment Act (Obligation to Ensure Safety and Health for Business Owners, Managers, etc.). Inspection of Workplace Safety and Health-Related Laws and Regulations, Including the Occupational Safety and Health Act, the Chemical Control Act, and the Safety Control of Dangerous Substances Act.



### MSDS Manager (Automatic Preparation Program)

Automatic Classification of Hazards and Risks of Mixtures According to the Notice of the Ministry of Employment and Labor, Automatic Creation of 16 MSDS Items, Constant Updates on Legal Regulations, Warning Label Creation Function.



## Chemicals Control Act

01

### Support for Hazardous Chemical Business License

Subject to Hazardous Chemical Business License under the Chemical Control Act: Consulting on Guidance on Business Implementation Requirements and Business Permission.

02

### Installation Inspection of Hazardous Chemical Handling Facilities, Regular and Occasional Inspection

Consulting on Support and Inspection of Pre-Written Inspection Materials for Installation Inspections, Regular and Occasional Inspections by the Implementation Handling Facility of the Chemical Control Act.

03

### Support for Creating Chemical Accident Prevention Management Plan

Consulting on Creating a Chemical Accident Prevention Management Plan that is Necessary to Evaluate the Impact of a Chemical Accident on People, the Environment, etc., Around the Workplace, Ensuring Safety, and Submitting it to the Director of Chemical Safety. This Applies to Any Business Operators Intending to Install and Operate Hazardous Chemical Handling Facilities or Currently Operating while Handling more than the Specified Quantity (LT, UT) for Each Hazardous Chemical Substance.



### Integrated Environmental Management Plan

Instead of Individual Permits for Each of the 10 Polluting Media (e.g., Air, Soil, Noise, Vibration, Water, Waste, Persistent Organic Pollutant Management, etc.), Permits are Integrated at the Business Site Level. Consulting is Provided to Workplaces Subject to the Priority Application of the Integrated Law.

## Clean Air Conservation Act

- Ⓛ Consulting on Necessary Documents for Licensing, Preparation and Checking Data Status, and Creating Land Regulations, Environmental Status, and Location Status Maps.
- Ⓛ Consulting on the Specification of Emission and Prevention Facilities, an Integrated Process Chart for Each Process, and Preparation for an Integrated Mass Balance.
- Ⓛ Air and Water Emissions Impact Analysis, Consulting on Setting Permitted Emission Standards.

