Chemleg

Chemical Legislation

Safe Chemicals
Safe Future

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Table of Contents

About Us

Since its establishment, Chemleg has stood out with its goal-oriented service approach and innovative mindset. Through its investments in technology, the company has continuously increased efficiency in its business processes. As a result, Chemleg consistently delivers high-quality and reliable services.

Initially providing services for KKDIK (Türkiye REACH), SEA (Türkiye CLP), SDS and Biocidal Products legislation that are in force in Türkiye, Chemleg has expanded its range of services in a pretty short time. Today, in addition to Türkiye, Chemleg offers a broad network of services concerning chemical regulations in regions such as the European Economic Area, the United Kingdom, China, Ukraine, and South Korea.

The company operates two active offices located in Türkiye and the Netherlands. Chemleg is committed to continuous development to strengthen its leading position in the industry and aims to play an even more significant role in the international market in the future.

Mission

Chemleg provides comprehensive services to companies to ensure compliance with chemical regulatory requirements. Its goal is to help companies meet their legal obligations, fully comply with chemical safety standards, gain a competitive edge in global markets, and operate in a way that respects environmental and human health.

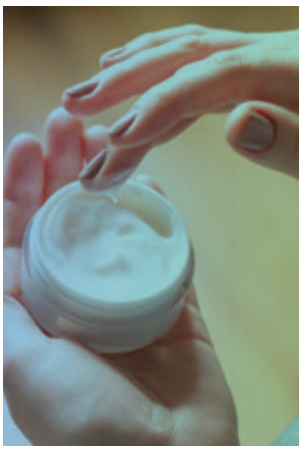
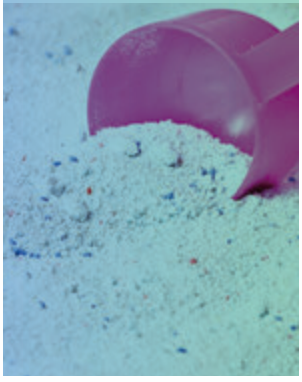
Vision

Chemleg has a dynamic structure that evolves with the ever-changing chemical industry and its associated regulations. With its innovative, technology-driven approach, the company aims to provide targeted, need-based solutions to help clients achieve time and cost efficiency.

Certificates and Memberships

Chemleg is

- A member of the Turkish Cosmetics Manufacturers and Researchers Association, and
- An authorized "Chemical Assessment Expert Training Organization" by the Ministry of Environment, Urbanization and Climate Change.



Chemleg Service Scope

Chemleg provides regulatory compliance services to companies located in the EU region, Türkiye, the United Kingdom, South Korea, Ukraine, China, and similar other jurisdictions. Its services cover manufacturers, importers, exporters, formulators, distributors, and downstream users of chemical substances, mixtures, or finished products.

The chemical industry comprises of a wide range of sub-sectors. Therefore, the roles and areas included within Chemleg's service scope are outlined as follows:

Chemicals:

- Substances
- Chemical Mixtures
- Finished Products

Roles in the Supply Chain:

- Manufacturer
- Formulator
- Importer
- Exporter
- Distributor
- Downstream User

Industry Categories:

- Raw Materials
- Petrochemicals
- Paints & Coatings
- Dye Industry
- Textiles
- Biocides
- Treated Articles
- Detergents
- Cleaning Products
- Perfumes
- Cosmetics
- Others

Key Figures (as of 2025):

- Pre-registration of over 15,000 substances under KKDIK,
- Safety Data Sheet (SDS) preparation for over 15,000 products,
- REACH-KKDIK alignment, KKDIK registration, and CSR preparation for over 1,000 Lead Registrations,
- Over 5,000 C&L notifications,
- SEA-compliant labelling for over 5,000 products,
- Over 100 biocidal product authorization procedures,
- Management of LoA sales processes for over 1,000 substances for Lead Registrants,
- SIEF tracking for over 7,000 Joint Registration dossiers,
- Support to dozens of companies for EU REACH registration,
- Only Representative services for over 1,000 companies under KKDIK, SEA, and Biocidal Regulations,
- Regular Chemical Assessment Expert (CAE) training programs

Services

1. REACH(-like) Regulations

The REACH Regulation (EC No 1907/2006) stands for the Registration, Evaluation, Authorisation, and Restriction of Chemicals. Implemented by the European Union (EU), it is a comprehensive regulation addressing the manufacture, import, circulation, and use of chemical substances. The aim of REACH is to enhance the protection of human health and the environment while ensuring the free movement of chemicals within the European Economic Area.
REACH promotes the responsible use of chemicals by providing safety guidelines and classifications for each substance, supporting the substitution of hazardous substances with safer alternatives.

Following the implementation of EU REACH, other regions have developed their own chemical regulations, often referred to as REACH-like regulations due to their structural similarities.

REACH-like regulations include:

- Türkiye: KKDIK
- South Korea: K-REACH
- United Kingdom: UK REACH (post-Brexit)
- Ukraine: UA REACH
- Brazil: Brazil REACH

The general objective of REACH-like regulations is to provide a high level of protection for human health and the environment against risks resulting from the use of chemicals.

Chemleg offers services for REACH-like regulations with similar obligations, including:

EU REACH Regulation

- Product Stewardship
- REACH Registration
- Only Representation
- REACH Authorisation and Restriction
- Dossier Preparation and Submission
- SDSs & eSDSs
- Tailored REACH Training
- Data Sharing Management

TR REACH (KKDIK) Regulation

- Product Stewardship
- TR REACH (KKDIK) Registration
- Only Representation
- KKDIK Authorisation and Restriction
- Dossier Support for IUCLID and KKS
- SDSs & eSDSs
- Chemical Assessment Expert Training
- Data Sharing Management

UK REACH Regulation

- Only Representation
- UK REACH Registration
- DUIN Notification
- Analytic Information Support
- SDS Preparation
- SDS Revision
- Data Sharing Management

UA REACH Regulation

- Only Representation
- Pre-registration & Registration
- SDS Preparation
- Data Sharing Management

2. CLP(-like) Regulations

The CLP (Classification, Labelling, and Packaging of Chemicals) Regulation is a comprehensive regulation implemented by the European Union to accurately classify, label, and package chemical substances and mixtures concerning their effects on human health and the environment. This regulation (EC) No 1272/2008 entered into force on 16 December 2008.

The CLP Regulation is based on the globally accepted GHS (Globally Harmonized System), ensuring the correct communication of chemical hazards in an understandable language. This approach has been adopted by many countries, leading to the establishment of similar systems. In this context, the TR CLP (SEA) Regulation came into force on 11 December 2013, the GB CLP Regulation on 1 January 2021, and the UA CLP Regulation on 15 November 2024.

Chemleg offers the following services regarding these regulations:

EU CLP Regulation

- CLP Stewardship
- UFI Creation
- PCN Submission & Notification
- C&L Notification
- Label Preparation

TR CLP (SEA) Regulation

- CLP (SEA) Stewardship
- C&L Notification
- Label Preparation

GB CLP Regulation

- GB CLP Stewardship
- C&L Notification

UA CLP Regulation

- UA CLP Stewardship
- C&L Notification

3. Biocidal Products Regulation

Previously, several regulatory obligations were needed to assess the risks that biocidal products may pose to human, animal and environmental health before they are placed on the market. In this context, the Biocidal Products Regulation No. 27449, dated 31 December 2009, entered into force in Türkiye to determine the procedures and principles regarding the production, import, licensing, marketing, inspection and other related issues of the said products. In the European Union, relevant regulations are carried out under the Biocidal Products Regulation (EU BPR – Regulation (EU) No 528/2012) dated 22 May 2012.

Chemleg provides the following biocidal product services within Türkiye and the European Union:

EU Biocidal Products Regulation

- Only Representation
- Biocidal Products Licensing
- Support on Biocidal Product Analysis
- Risk Assessment

TR Biocidal Products Regulation

- Only Representation
- Biocidal Products Licensing
- Support on Biocidal Product Analysis
- Risk Assessment

4. Communiqué on Articles Treated with Biocidal Products

To determine the procedures and principles regarding the market placement, market surveillance, and inspection of articles treated with one or more biocidal products, as well as other related procedures and principles, the Communiqué on Articles Treated with Biocidal Products No. 30420, dated 13 May 2018, was published. In the European Union, treated articles are regulated under the Biocidal Products Regulation (EU) No 528/2012 dated 22 May 2012. In addition to this regulation, CLP and REACH regulations are also considered in processes related to treated articles. In Türkiye, treated articles are subject to various requirements under the KKDIK Regulation, SEA Regulation, and Biocidal Products Regulation.

Chemleg provides the following services related to treated articles under Turkish and European Union legislation:

Treated Articles within EU

- Treated Article Labelling

Treated Articles within Türkiye

- Treated Article Labelling
- Technical Dossier for Treated Articles

5. Cosmetic Products Regulation

Ensuring that cosmetic products reach consumers without any harmful effects against human health is secured through strict regulations in both the European Union and many other countries. Product content safety, label accuracy, appointment of a responsible person, and pre-market notifications are fundamental components of cosmetic regulations.

As in the REACH and CLP regulations, the Cosmetic Products Regulation (EC) No. 1223/2009, which is an EU regulation, is taken as reference in cosmetic product regulations. In Türkiye, operations concerning cosmetic products are carried out under the Cosmetic Products Regulation published in the Official Gazette No. 32184 (Repeated) dated 8 May 2023.

Chemleg offers the following services related to cosmetic products:

EU Cosmetic Products Regulation

- Responsible Person
- Product Information File (PIF) Preparation
- Cosmetic Product Safety Assessment (CPSR) Preparation
- Cosmetic Product Notification

TR Cosmetic Products Regulation

- Responsible Technical Person
- Product Information File (ÜBD) Preparation
- Cosmetic Product Safety Assessment (ÜGDR) Preparation
- Cosmetic Product Notification

6. Other Regulations

PIC Regulation

The Prior Informed Consent (PIC) procedure, established to ensure the transparent, controlled, and traceable export and import processes of certain hazardous chemicals that may pose risks to human health and the environment globally, is in effect in many countries, including the European Union and Türkiye.

In the European Union, Regulation (EU) No 649/2012 requires prior consent from the importing country for the export of certain hazardous chemicals and pesticides. In Türkiye, PIC applications are carried out under the Regulation on the Export and Import of Certain Hazardous Chemicals (Regulation No. 32087).

Chemleg provides PIC services in compliance with European Union and Turkish legislation:

EU PIC Services

- Determining PIC Applicability
- Preparation & Submission of PIC Notification
- Regulatory Compliance & Documentation
- Annual Reporting Support

TR PIC Services

- Pic Notification Submission
- Annual Reporting Support
- Regulatory Compliance Assistance
- Regulatory Monitoring
- Preparation Of Safety Data Sheets

Detergent Regulation

The content, biodegradability, and labelling of detergents produced for consumer, environmental, and industrial use directly affect not only product performance, but also human and environmental health. For this reason, specific technical and legal criteria for detergents are mandated both in the European Union and in Türkiye under relevant regulations.

To prevent potential adverse effects of detergents and the surfactants used in them on human health and the environment—and to ensure free movement of such products—the Turkish Ministry of Customs and Trade published the "Regulation on Detergents" in the Official Gazette dated January 27, 2018, No. 30314. In the European Union, operations regarding detergents are carried out by Regulation No. 648/2004 dated 31 March 2004.

Below are the details of the services Chemleg offers for detergents under Turkish and EU legislation:

EU Detergent Regulation

- Product Label
- Safety Data Sheet
- Ingredient Data Sheet
- Technical Dossier

TR Detergent Regulation

- Product Label
- Safety Data Sheet
- Ingredient Data Sheet
- Technical Dossier

Non-Medical Veterinary Products Regulation

In Türkiye, non-medical veterinary products are regulated under the "Regulation on Non-Medical Veterinary Health Products" issued by the Ministry of Agriculture and Forestry. This regulation governs the market placement and labelling principles of products that support animal care, hygiene, and welfare without having a pharmacological effect. It is crucial that these products do not make therapeutic claims and that their chemical contents comply with the requirements of Cosmetic Products Regulation, KKDIK, CLP, and any other relevant environmental and chemical legislation.

Chemleg provides the following services for non-medical veterinary health products:

- Preparation of notification dossiers for Non-Medical Veterinary Health Products in accordance with the regulation
- Label review or preparation of draft labels in line with legal requirements
- Preparation of Safety Data Sheets (SDS)
- Literature research
- Final product testing (mandatory and claim-related)
- Free Sale Certificate

Ukraine Law of Chemical Safety

As part of its regulatory alignment process with the European Union, Ukraine has enacted a comprehensive legislation aimed at managing the effects of chemicals on human health and the environment. This regulation introduces various obligations related to the manufacture, import, market placement, and use of chemicals in Ukraine. One such requirement is the "Toxic Chemical Permit," for which Chemleg offers support.

Chemleg provides the following services under this framework:

- Regulatory assessment
- Permit application & documentation
- Risk & safety evaluation
- Compliance with UA CLP & UA REACH
- Ongoing regulatory support

7. Software Solutions

With its expertise in chemical regulations, Chemleg offers software solutions that help companies fulfil their legal obligations accurately and completely. These solutions are designed to simplify processes such as the registration, evaluation, classification, and labelling of chemical substances, enabling faster and more accurate regulatory compliance. Thanks to these systems, which optimize time and resource management in particular, companies both minimize regulatory risks and gain operational efficiency.

Chemleg has created the LoA-Pro software to provide its users with a secure, sustainable and controllable infrastructure while supporting regulatory compliance. Chemleg is also the distributor of the SDS and labelling software developed by the Italian software company EPY.

Data Sharing Management with LoA-Pro

LoA-Pro is a software solution that provides efficient management of data sharing processes under REACH-like regulations. It offers advanced algorithms for calculations, easy data management, flexible and reliable automated processes, and much more.

Overview of LoA-Pro

- **Sustainable Flexibility**

Developed with the understanding that there may be changes depending on the managed substance and the relevant regulation, LoA-Pro offers customizable management algorithms such as data identification, various calculation methods, and management options.

- **Easy and Efficient Data Management**

With its user-friendly interface, LoA-Pro provides an admin panel for lead registrants and a user platform for joint registrants, ensuring organized management. Through advanced databases, document sharing, and personalized management and calculation options, LoA-Pro allows you to manage your chemical substance data with ease.

- **Fast and Accurate Structure**

Designed for the continuously evolving and ever-changing chemical industry, LoA-Pro is a flexible and adaptable system. It is designed to be open to updates by adapting to current needs. With its advanced databases, LoA-Pro simplifies data management.

Key Features of LoA-Pro

- **Customized Calculation Methods**

LoA-Pro's calculation methods are designed to start from the reliability score of each test. Including a range of options from detail-based to cumulative calculations, LoA-Pro leaves the choice to the administrator's preference.

- **Streamlined Document Management Process**

Users can easily access documents and dossiers through LoA-Pro; they can be shared and reviewed between lead and joint registrants. Important documents can also be uploaded and stored in the system.

- **Automated Processes**

In addition to calculating and managing reimbursement accounts, LoA-Pro automates the process of informing joint registrants by sending notifications.

- **Innovative Methods and Easy Reporting**

With the developed "Pool" method, members can simultaneously participate in LoA purchases and pay the same fee as other joint registrants. This method offers an advantage by allowing all participants to pay a collective, equal fee. Furthermore, every piece of data visible in the system can be reported.

- **Advanced Databases**

LoA-Pro has been developed with the goal of a sustainable system. Therefore, data can be grouped and transferred to databases in real-time for simultaneous use.

Case Study - 1

Problem

One month before the pre-registration deadline of Türkiye's KKDIK Regulation on 31/12/2020, a company requested the completion of pre-registration for approximately 45,000 substances across 17 legal entities.

Approach

Recognizing the urgency of the request, Chemleg managed time effectively and organized its team to ensure maximum efficiency before accepting the task.

Solution

Without disrupting its commitments to other companies, Chemleg successfully managed the heavy workload through strategic planning and met the urgent request.

Case Study - 2

Problem

25 ECHA (European Chemicals Agency) guidance documents needed to be harmonized for Türkiye. However, mere translation was not sufficient for this task. Harmonization required in-depth knowledge of chemical regulations, the differences between REACH and KKDİK, and accurate use of technical terminology.

Approach

Chemleg's technical team, experienced in harmonization and translation, ensured that the translated guidance documents complied with international standards, maintained clarity, and aligned with the sector's needs.

Solution

The translations were completed and shared via the Chemicals Helpdesk. This supported public institutions and industry stakeholders by streamlining workflows.

Case Study - 3

Problem

Following the update of the Data Sharing Guidance, Chemleg applied to the Ministry of Environment, Urbanization, and Climate Change of the Republic of Türkiye to develop a version aligned with international standards.

The aim was to harmonize the guidance for Türkiye, making it accessible to local users and enhancing chemical safety. The key challenge was preserving accuracy and clarity in translation while maintaining alignment with regulatory terminology.

Approach

Chemleg's translation team, known for their expertise in regulatory language, carefully translated the guidance. The process included a detailed analysis of the document's structure, consistent use of terminology, and a clear, professional tone.

The team coordinated their efforts to ensure effective communication and efficient workflow. Regular reviews and revisions were made to maintain the quality and accuracy of the translation.

Solution

The project was completed successfully within the planned timeline. The translated guidance was delivered in a high-quality format, fully compliant with international standards, and made accessible to Turkish-speaking users.

This demonstrated Chemleg's regulatory expertise and its capacity to deliver effective solutions under pressure.

Case Study - 4

Problem

A company urgently requested translation and KKDIK registration for substances in 10 different categories within a very short timeframe. However, preliminary assessments showed that due to varying hazard profiles, the translation and registration process would take approximately 100 working days.

This situation revealed that meeting the deadline was quite challenging and had to be adapted to the existing timeline.

Approach

Chemleg held an emergency meeting to address this critical issue. Each stage of the registration process was carefully analysed to identify inefficiencies. It was realized that standardizing common sections of registration dossiers and combining similar processes would help meet the goal.

Additionally, it was decided to distribute tasks more efficiently among the team and run multiple processes in parallel at the same time. This collaborative approach was of great importance in terms of accelerating the process and using resources more effectively.

Solution

The proposed strategies were swiftly implemented. By standardizing shared sections in the registration dossiers, the time required for each substance was significantly reduced. Running tasks concurrently further shortened the process, as well.

As a result, Chemleg met the deadline and completed both the translation and registration of all substances successfully. This approach not only delivered a high-quality result, but also enabled Chemleg to develop an effective solution model that can be applied in similar situations.

Case Study - 5

Problem

Following an audit, it was determined that the relevant company was experiencing non-compliance issues with legislation regarding product labels due to delays in necessary procedures.

Facing potential fines, the company urgently sought Chemleg's assistance. Chemleg was given about five demanding days, including the weekend, to resolve the issue.

Approach

Chemleg's dynamic and professional team quickly assessed the issue and developed an efficient process for designing and printing product labels.

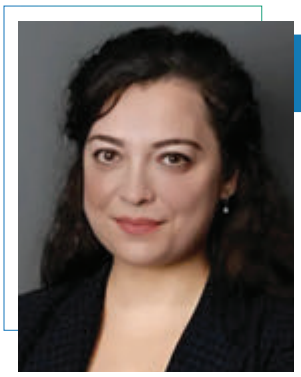
The team worked meticulously throughout the limited timeframe and maintained constant communication with the client to ensure accuracy and regulatory compliance.

Solution

Within five days, Chemleg successfully completed the design and printing of all necessary product labels.

The project was executed flawlessly, allowing the company to meet urgent requirements and avoid potential penalties.

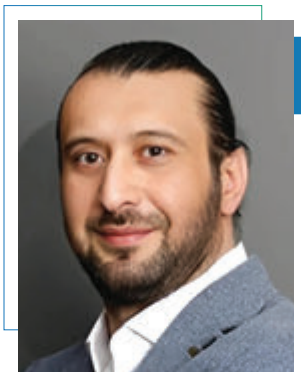
Key Personnel



Elif Koç (General Manager)

Elif Koç is a senior chemist and Chemical Assessment Expert with over 15 years of experience in R&D and regulatory departments in the chemical industry.

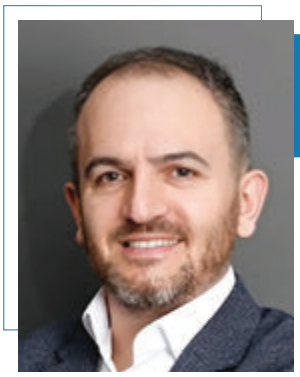
She undertakes the project development leadership of product-management systems within the scope of REACH, KKDIK and Biocidal regulations. She manages LoA process determination, data owner and/or consortium data sharing management modelling within the scope of REACH-like regulations. Elif has successfully managed the REACH-like regulations and Biocidal compliance processes of many international companies as a team leader by determining them in line with the needs of the companies.



Mehmet Yolcu (Sales Manager)

Mehmet Yolcu is a chemist and consultant with over 10 years of experience in EU and Turkish chemical regulations, including REACH, CLP, KKDIK, and SEA. As a co-founder of Chemleg Consultancy, he has provided strategic compliance solutions to numerous global chemical companies.

He has deep expertise in technical dossier preparation, notification processes, and conformity analysis. He also specializes in integrating software solutions into these processes, developing systems that helps companies save time and reduce costs. He also plays an active role in sales, business development, and customer relationship management.



Gökhan Ardıç (IT Systems Manager Country Director – Chemleg Europe B.V.)

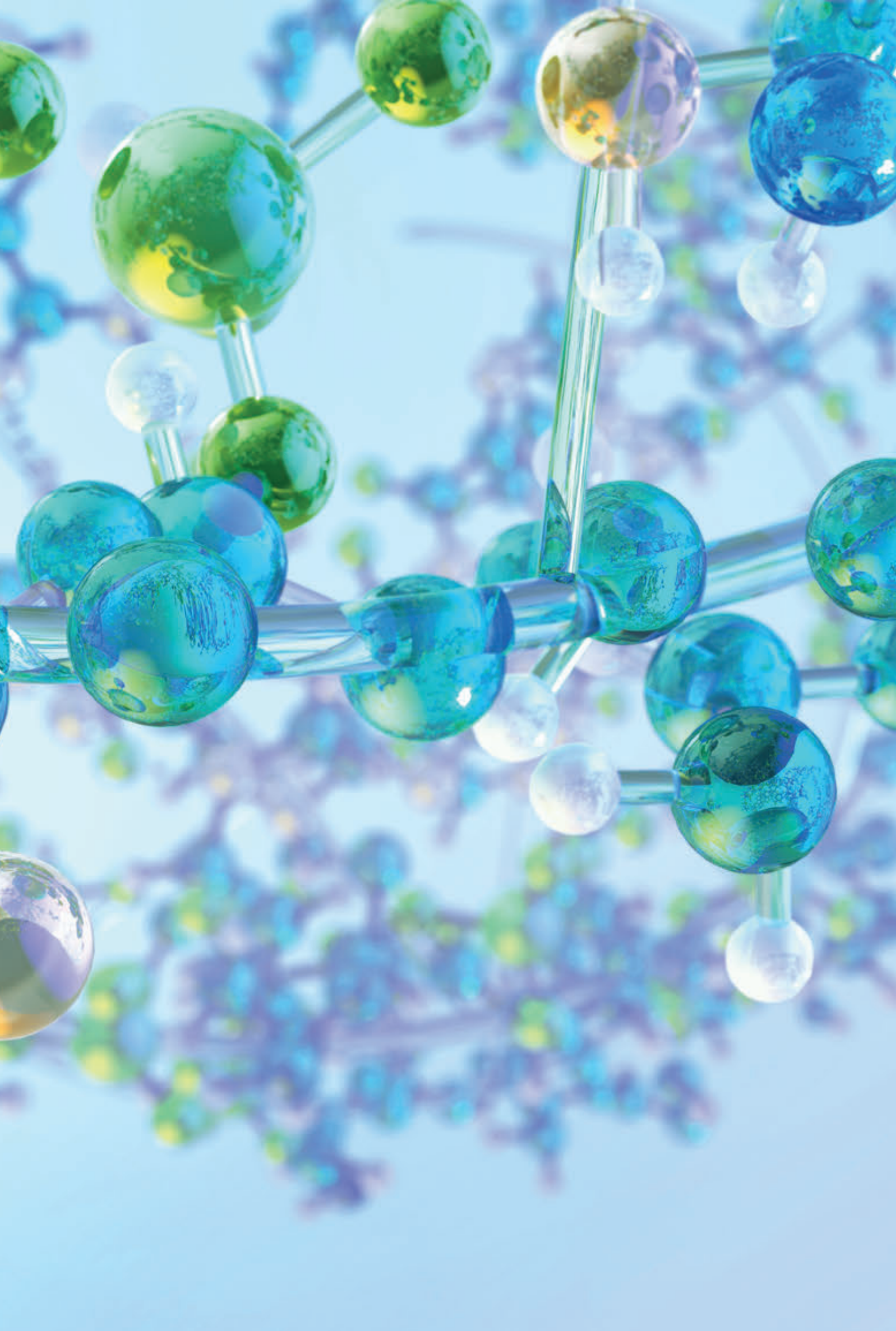
Gökhan Ardıç is a chemist who completed his undergraduate education in chemistry, specializing in occupational safety and has gained extensive experience in the field of chemical legislation. He has many years of experience in implementation and consultancy on chemical classification and labelling legislation of Türkiye and the European Union, especially SDS (Safety Data Sheet) and CLP (SEA) Regulations.

He serves as both a legislation expert and as the person responsible for the company's IT systems at Chemleg Consultancy. He ensures that legislation services are carried out in an integrated manner with the technical infrastructure; he takes an active role in software, process automation, data management and digital transformation projects. He supports the technological development of the company and ensures the efficient management of technical processes by serving as the IT manager. In addition, Gökhan Ardıç is among the founding partners of Chemleg Europe B.V., which was established in the Netherlands in 2025, and serves as the country director. In this context, he manages the administrative, financial and technical processes of the company in the Netherlands and represents the activities of Chemleg Europe B.V. in Europe. Gokhan leads the digitalization of in-house processes with a holistic perspective that brings together chemistry and technology.

Haydar Hazer (Principal Chemical Regulatory Expert)

Haydar Hazer served for 23 years at the Ministry of Environment, Urbanization, and Climate Change and is an expert in chemical regulation. At Chemleg, he is responsible for reviewing registration dossiers and Chemical Safety Reports, and tracking KKDIK updates.

He contributed to the establishment of Türkiye's Chemicals Inventory System and Chemicals Registration System (KKS) and served as lead consultant in the KKS update and implementation process. He also took part in the harmonization and implementation of the EU CLP and EU REACH Regulations. Additionally, he provides Chemical Assessment Expert Training at Chemleg.



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