

REACH SUBSTANCE IDENTITY AND ANALYTICAL CHEMISTRY



TNO triskelion bv

Did your company experience substance identity problems in the lead-up to the REACH 2010 deadline? TNO Triskelion offers a wide range of analytical services, specially tailored to REACH. We work to short timelines, provide excellent quality, including the option to conduct studies according to Good Laboratory Practice (GLP).

SUBSTANCE IDENTIFICATION AND CHARACTERIZATION

Within the framework of REACH appropriate spectral data are needed to confirm the structure/identity of a substance. TNO Triskelion offers the following analytical services for substance identification:

- Spectral analyses: UV/Vis, IR, NMR and MS
- Chromatographic methods, such as GC or HPLC in combination with MS, ELSD, fluorescence and other detection methods
- Test substance purity and composition; quantification of impurities

ANALYTICAL CHEMISTRY IN TOXICOLOGY AND ENVIRONMENT STUDIES

The test packages required for REACH Annex VIII to X dossiers involve studies which will require expert analytical support. Without the right analytical

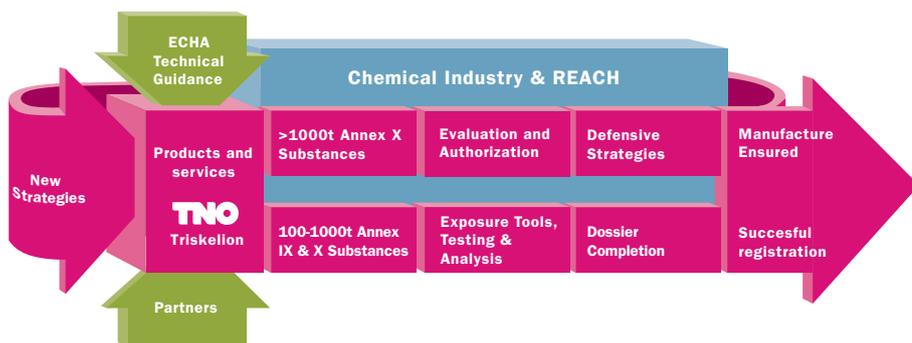
results to demonstrate exposure to the test substances, every study is incomplete.

- Analysis of test substances in feed, water, blood, urine, air sampler absorbents and many other media for toxicology studies
- Hydrolysis/adsorption studies
- Physical-chemical properties
- 5-batch analyses

ANALYTICAL SERVICES FOR YOUR OTHER BUSINESSES

We service a range of other regulations and requirements with our analytical services.

- Packaging research
- Metal, pesticides and contaminants in food and feedstuffs
- Dustiness of (nano-)materials
- Emergency Response Service (available 24/7 in case of product damage, recall or calamities)



REACH AND TNO TRISKELION: SUCCESSFUL REGISTRATION 'WITHIN REACH'

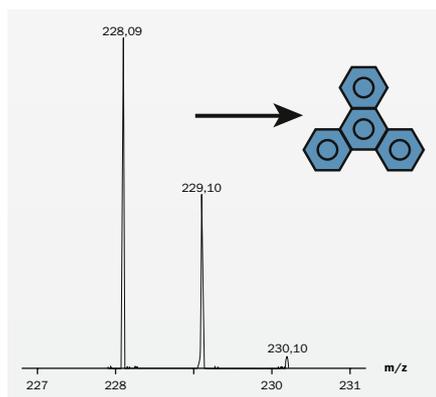
The aim of REACH is to describe the safe-use of chemicals throughout the product chain. All High Production Volume Chemicals and priority substances must be registered by 2010 or 2013. TNO Triskelion can assist your company in achieving this with our proven expertise in the fields of risk assessment, registration and testing. With TNO Triskelion, your technical dossiers, exposure scenarios and Chemical Safety Reports are safe in our hands.

The added value of TNO Triskelion's REACH services is based on decades of experience with registration and safety studies for the Chemicals Industry. TNO Triskelion is actively involved in the rgw ongoing work of developing technical guidance for REACH and has broad contacts with ECHA and the EU Member State Competent Authorities.

ADVANCED ANALYTICS

TNO Triskelion's Analytical Research Centre, with it's history of TNO R&D excellence has expertise in developing challenging analytical chemical methods for a very broad range of substances including: organotins, fluorocarbons, formaldehyde, biocides, pesticides, fragrance materials, to name but a few. At the interface of the fields of toxicology and risk assessment, our tailor-made services can make a difference:

- Mechanistic studies of toxic compounds in vivo using sophisticated analytical techniques
- Human and environmental exposure studies in various settings (industrial, agricultural)



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TNO TRISKELION BV

TNO Triskelion BV is a wholly-owned subsidiary of TNO: Europe's largest independent research institute for technological and strategic research and consultancy. By translating scientific knowledge into practise, we increase the innovative power of industry.

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