YEARS OF SUPPORTING A SAFE, SUSTAINABLE AND SUCCESSFUL INDUSTRY FOR EUROPE
Having just experienced eight exciting years at Euro Chlor, I tend to forget that it was originally set up as the “Bureau International du Chlore”, assembling the chlorine producers of the Benelux, France, Germany, Italy and the UK. We are talking about the 1950s, just 60 years after industrial production of chlor-alkali began.

It is reassuring to note that safety has always been the key topic for our organisation, even long before we expanded into the current EU-wide ‘Euro Chlor’ in 1989. This was the era when environmental groups attacked our industry for producing ‘the Devil’s element’, chlorine. I am so grateful that my predecessors were able to assist the membership in restoring the rightful positive reputation that chlorine chemistry deserves. We can now easily highlight the benefits of chlor-alkali through our ‘chlorine things’ and ‘17 Successes’ programmes.

I strongly believe that the key to Euro Chlor’s success has been two-fold. In the first instance, it lies in its original goal to provide balanced, science-based information, developed by active members and a skilled Secretariat. Secondly, the membership is brave enough to work proactively and with great ambition. For example, in 2001 Euro Chlor launched its first 10-year sustainability programme with challenging, but realistic goals and a commitment to measuring data on health, safety and environment, production levels and product applications, as well as a voluntary commitment to phase out mercury.

This was complemented by the publication of the chlor-alkali industry Eco-profile and concrete sustainability targets in 2004 - a first for Europe’s chemical industries. The second 10-year sustainability programme (2011-2020) followed smoothly thereafter. On many occasions, Euro Chlor was praised by authorities for being a transparent and trusted partner.

With all the above as my inheritance, I am honoured to take the lead of the Euro Chlor Secretariat and enthusiastically take up the challenge to keep standards high.

Following the chlor-alkali industry with a chemist’s eye, I remain fascinated that all of this is possible from just salt, water and electricity!

In addition to being an essential building block for numerous products that we rely on every day, chlor-alkali can play a key role in Europe’s more sustainable future. For example, our chemistry can contribute to building lightweight, safe and efficient cars and renewable energy technologies. It can treat waste water for re-use in water-deprived areas, create new medicines to fight cancer and help us improve energy efficiency in our homes. These and countless other innovations are anticipated in the next three decades, with chlor-alkali contributing to many of the United Nation’s global Sustainable Development Goals (SDGs).

For European chlor-alkali to provide raw materials for these solutions, we need a responsible but competitive sector. To achieve this, Euro Chlor plans to deliver its third sustainability programme in 2021 and further improve safety performance via its safety initiative.

We will investigate how to add value to hydrogen streams, contribute to a ‘carbon-neutral’ future and advocate for a level playing field for energy, as well as how we can play a bigger role in the circular economy. More than ever, we will engage in educating and communicating transparently with objective technical and scientific data and continue to highlight the benefits of our industry – building on our recent 17 Successes programme – to encourage people to work in our sector.

Inspired by the Cefic Mid-Century Vision, we will crystallise this in our own strategy to define what our industry should look like in the coming years, and the concrete steps needed to get there. This will strengthen our commitment to creating a better world.

Our industry has a promising future. I am confident that we can work together, as we have in the past, to get there, continuing to support a safe, sustainable and successful chlor-alkali industry for Europe.

The full version of this report is available from: https://chlorineindustryreview.com

Read more on the following page about the 2018/2019 highlights for Euro Chlor’s key topics.
"Over the last 30 years, we have seen significant improvements in the parameters that we measure as part of our sustainability programme. By continuing to further improve these, we can ensure our license to operate for the next 30 years and beyond."

**SUSTAINABILITY**

* For this review, 98.5% of Euro Chlor member’s capacity is covered from 32 companies at 53 sites.

**MANUFACTURING TECHNOLOGY**

Despite mercury technology being phased out by the end of 2017, a few installations required more time for conversion, which was accomplished during 2018.

**ENERGY CONSUMPTION**

Energy consumption in 2018 was at 90.5% versus the 2011 reference with a decrease of 2% compared to the 2017 level (92.5% to 90.5%).

**HYDROGEN USE**

The use of hydrogen has increased slightly, hopefully reversing the declining trend observed in recent years. In 2018, the utilisation rate reached 86.6%, a 1.8% increase compared to the previous year.

**TRANSPORTATION**

The amount of chlorine transported from production sites increased slightly compared to 2017. This may be explained by the complete closure of some mercury production locations.

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Over the past 30 years, we have seen significant improvements in the parameters that we measure as part of our sustainability programme. By continuing to further improve these, we can ensure our license to operate for the next 30 years and beyond.

**Chlorine manufacturing process**

(% of total installed capacity end of year)

- Membrane
- Diaphragm
- Mercury
- Others

The conversion of mercury to membrane (and closure of some mercury installations) is clearly visible in the graph over the last three years. The "Other" technologies cover, for example, HCl electrolysis and oxidation, alcohates, metal production but also production of chlorine and caustic without hydrogen production.

**Primary fuel energy consumption**

(% with respect to 2011)

The decrease mostly results from the conversion of mercury to membrane technology, and the closure of some mercury plants. A small drop is still expected for 2019 as the final conversion to mercury becomes effective during 2018. After that, energy improvement is expected to be limited.

**Hydrogen used**

(% of production)

- Chlorine transported outside industrial sites

Although hydrogen is an important chemical for the low carbon economy, the utilisation rate from chlor-alkali production is relatively low. The main reason for this is that some sites may lack an economically viable "user" nearby (or at least one who can utilise 100% of the produced hydrogen). This may change over time as demand for hydrogen increases, and more solutions (e.g. blending into the gas grid) become available.

The amount of chlorine transported from production sites increased slightly compared to 2017. This may be explained by the complete closure of some mercury production locations.

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"Over the last 30 years, we have seen significant improvements in the parameters that we measure as part of our sustainability programme. By continuing to further improve these, we can ensure our license to operate for the next 30 years and beyond."

**Chlorine transported outside industrial sites**

(Thousands of tonnes)

- Rail
- Total (except pipelines)
- Road

The amount of chlorine transported from production sites increased slightly compared to 2017. This may be explained by the complete closure of some mercury production locations.
SAFETY

PROCESS INCIDENTS

Process incidents and losses decreased in 2018 towards the 2016 level. In 2018, this was 2.30 incidents per million tonne of chlorine produced.

Incident reporting

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Whilst the Euro Chlor technical Working Groups continue to investigate the 2017 “incident spike”, they welcome the 2018 decrease and the increasing reporting efforts of our membership. Now that Euro Chlor receives information on some 70% of the incidents, the relevant Working Groups can have even more detailed discussions, compiling lessons learnt, updating and even developing new guidelines.

OCCUPATIONAL SAFETY

In 2018, Lost Time Injuries (LTIs) for member company personnel improved compared to 2017, from 1.39 to 1.26 per million working hours.

Chlor-alkali LTI frequency rate

(Number of LTI incidents per million working hours)

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It is notable that, since 2011, this LTI rate per million working hours only includes incidents directly related to chlor-alkali industry specific items.

Workers’ Health

Euro Chlor’s Health Working Group has delivered several new guidance documents:

- Brief summaries of existing health documents for workers and site managers;
- An informative training presentation on electromagnetic fields, to be made available in local languages.

In addition, the group is compiling:

- A short briefing for emergency departments on how to optimally treat patients that are accidentally exposed to chlorine;
- A training presentation on the causes and protection against stress and burnout.

It is noted that, since 2017, this LTI rate per million working hours only includes incidents directly related to chlor-alkali industry specific items.

Whilst the frequency rate for member company personnel continues to move in the right direction, member companies still struggle to achieve a similar performance improvement for contractors. Indeed, the LTI figure for contractor staff worsened (from 1.99 to 2.33). With a sustained ‘aiming for zero’ mentality for ALL employees (own and contractors), Euro Chlor members continue their efforts in training and supporting contractors to further increase awareness and to improve on working safety.

For more information: https://chlorineindustryreview.com/safety
According to the German UBA (Federal Environment Agency) criteria, perchloroethylene is considered to be persistent, mobile and toxic. This may have consequences in relation to REACH and the Stockholm Convention on Persistent Organic Pollutants. ECSA is reaching out to other stakeholders and closely following the scientific and regulatory discussions.

The German UBA also held a workshop concerning the revision of the German Federal Emission Protection Ordinance. The latter describes detailed technical installations, monitoring and permit requirements of halogenated solvents in dry-cleaning, metal cleaning and extraction installations, implementing the Industrial Emissions Directive (IED). ECSA advocates against listing new solvents or removing current ones.

Some halogenated solvents (methylene chloride and chloroform) are also claimed to have a negative impact on ozone layer recovery. ECSA has provided extensive data and scientific arguments proving that current produced volumes of chlorinated solvents are no harm to the ozone layer provided extensive data and scientific arguments proving that current.

The German UBA has released a new informative flyer that describes the benefits of chlorinated solvents. The ECSA website (http://www.chlorinated-solvents.eu) is also in the process of being modernised. According to EU legislation, liquid mercury must be converted into mercury sulphide by the end of 2022, before being safely stored in salt-mines. At the end of 2018, Euro Chlor members reported 2,947 tonnes of liquid mercury on site, with 1,146 tonnes being converted in 2018. According to EU legislation, liquid mercury still needs to be removed from both the cells and no longer used equipment.

The key European regulatory topic of energy.

Since the formation of Euro Chlor, we have contributed valuable content to many of the regulations related to our sector. This will not change as we focus even more on the key European regulatory topic of energy.

The EC Directorate-General for Competition (DG COMP) already organised two consultation rounds for this. In both rounds (public and sector-targeted), Euro Chlor and Cefic demonstrated the importance and value of this compensation for our sector given the strong indirect effects of the ETS system on the chlor-alkali industry. In close collaboration, Euro Chlor and Cefic will make sure all DG COMP’s questions are answered.

In addition to our own Energy Task Force, the Euro Chlor Regulatory Department actively works with Cefic to have our sector heard in the larger European energy debate.

Mercury phase out: deadline passed but Euro Chlor remains vigilant

Despite the phase-out of the mercury technology by the end of 2017, mercury is still in the picture. This is because a lot of liquid mercury still needs to be removed from both the cells and no longer used equipment.

According to EU legislation, liquid mercury must be converted into mercury sulphide by the end of 2022, before being safely stored in salt-mines. At the end of 2018, Euro Chlor members reported 2,947 tonnes of liquid mercury on site, with 1,146 tonnes being converted in 2018. Based on these results, the total conversion of available liquid mercury could be finalised before the end of 2022.
COMMUNICATIONS

17 SUCCESSES CAMPAIGN NOW COMPLETE!

Take a look at http://17successes.com to see all 17 of the ‘17 Successes’ which have now been published! Taking ‘17’ as our inspiration (from chlorine’s position on the chemical Periodic Table of elements), this programme presents real Europeans, whose success at work is partially thanks to chlor-alkali chemistry. Rollups and postcards are available for download from each individual success on the website. To mark the completion of the programme, an innovative compilation video and infographic is also available there for onward dissemination.

NEW EURO CHLOR WEBSITE ONLINE

This year we unveiled our new website at https://www.eurochlor.org. The new online portal has been designed to promote the benefits of chlor-alkali and its products and the many jobs which rely on them. It also spreads information on best practices in safety, health and environmental protection.

FOLLOW US ON SOCIAL MEDIA

We actively update our social media and encourage people to follow us on Twitter, Facebook and LinkedIn.

@eurochlor @eurochlor @eurochlor

OUR NEW YOUTUBE VIDEOS

- Jürgen Baune, Euro Chlor Chairman, details his opinion on where our industry is headed in the coming years and how one possible co-product, hydrogen, may play a role in a sustainable future for our industry.
- A new ‘chlorine things’ video shows the role of chlor-alkali chemistry in keeping people safe in our communities. It covers the role of advanced polymers in protecting policemen and firefighters, fire-retardants and advanced materials that keep children and adults safe on their bikes.
- New videos are planned with our little chlorine character so watch this space!

Chlorine production level 2018

2018 chlorine production was reported at 9,424 kilotonnes, 4.8% below the 2017 level, the lowest production level since 2009. This can be partly explained by the loss of installed capacity due to the mercury phase-out. The utilisation rate was 82.2% compared to 83.4% in 2017.

Production in the EU chemicals sector declined by 0.9% in 2018 (compared to 2017) according to Cefic figures. This means that chlorine production performed worse than the average production of the chemical industry in 2018.

CHLORINE PRODUCTION 2018

European chlorine applications 2018

9,479 kilotonnes

European caustic soda applications 2018

9,383 kilotonnes

For more information: https://chlorineindustryreview.com/communications
### Chlorine Production Plants

**January 2018 Capacities**

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<tr>
<th>Country</th>
<th>Company</th>
<th>Site</th>
<th>Total (000 tonnes chlorine)</th>
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<th>M</th>
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*“Others” include HCl electrolysis, ODC, molten salt electrolysis, alcoholates. Non Euro Chlor members are indicated in italic.

* Total combined production capacity of the Tessenderlo site permit = 450 kt Cl₂/yr

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**Process**

- **Hg**: mercury
- **M**: membrane
- **D**: diaphragm

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**Country** | **Company** | **Site** | **Total (000 tonnes chlorine)** | **Hg** | **D** | **M** | **Others** |
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MEMBERS

Altair Chimica SpA
http://www.altairchimica.com/

Anwil SA
http://www.anwil.com

Arkema S.A.

BASF SE
http://www.basf.com

Blonca Quimica SL
http://www.bloncaquimica.com

Bondatti Chemicals SA
http://www.bondatti.com

Borregaard AS
http://www.borregaard.no

BorsodChem Zrt.
http://www.borsodchemgroup.com

Brentnag UK Ltd
http://www.brentnag.co.uk

CABB AG
http://www.cabb-chemicals.com

CABB GmbH
http://www.cabb-chemicals.com

Covestro Deutschland AG
http://www.covestro.com

Donau Chemie AG
http://www.donau-chemie.com

Dow Deutschland Anlagengesellschaft mbH
http://www.dow-chemicals.de

Electroquimica de Hermani
http://www.electroquimicahermani.com

Electroquimica del Noroeste, S.A.U. (ELNOSA)
http://www.ehersa.com

Electroquimica de Villaseca
http://www.electroquimica/onubense.es

Ercros SA
http://www.ercros.es

Evenik Performance Materials GmbH
http://www.evenik.com

Fater S.p.A.
http://www.fater.it

Industrial Chemicals Limited
http://www.industrialchemicals.co.uk

Ing. Luigi Conti Vecchi S.p.A.

Inovyn
http://www.inovyn.com

Kapachim SA
http://www.kapachim.com

Kemira AB
https://www.kemira.com

KEM ONE
http://www.kemone.com

Micro Bio (HR) Ltd.
http://www.microbio.hr

MSSA SAS
http://www.mussasuisse.fr

Nouryon
http://www.nouryon.com

PCC Rokita SA
http://www.pccrokita.pl

Produits Chimiques de Loos (Tessenderlo Group)
http://www.pcl.com

Quimica del Cinca SLU
http://www.quimica-cinca.com

SC Chimcomplex SA Borzesti
http://www.chimcomplex.ro

Societé Chimica Bussi S.p.A.
http://www.bussi.com

Spolek pro chemickou a hutni vyrubu, a.s.
http://www.spolchemie.cz

Vencorex Chemicals
http://www.vencorex.com

VESTOLIT GmbH
http://www.VESTOLIT.de

Vinnolit GmbH & Co. KG
http://www.vinnolit.com

VYNOVA Group
https://www.vynova-group.com/
Adama Makhtshim Ltd
http://www.adama.com

AGC Chemicals Europe Ltd.
http://www.agcce.com

Alchemist International Ltd
http://www.alchemist.com

AMEC FOSTER WHEELER ITALIANA SRL
https://www.amecfw.com/

ANE (Asociación Nacional de Electroquímica)
http://www.cloro.info

Angelini A.C.R.A.F. S.p.A.
http://www.angelini.it

Applitek NV/SA
http://www.applitek.com

Arch Chemicals S.A.S.

Armstrong Chemtec Group
http://www.armstrongchemtec.com

Asahi Kasei Europe GmbH
https://www.asahi-kasei.co.jp/asahi/en/

Atana Limited
http://www.atana.co.uk

Axiall, LLC
http://www.axiall.com

Banner Chemicals Limited
http://www.bannerchemicals.com

BARCHEMICALS SRL
http://www.barchemicals.it

BATREC INDUSTRIE AG
http://www.batrec.ch/en/

BC Switzerland GmbH
http://www.bc-switzerland.com

BELL-O-SEAL VALVES P. LIMITED
http://www.belloseal.com

Blackhall Engineering Limited
http://www.blackhalleng.com

Bluestar (Beijing) Chemical Machinery Co., Ltd.
http://www.bluestarchemicals.cn

BOCHEMIE a.s.
https://www.bochemie.cz/en

BWT AG
http://www.bwt-group.com

Caffaro Brescia S.r.l.
http://www.caffaro.it

CARBUROS METALICOS SA
http://www.carbus.com

CBees Europe Ltd
https://www.cbees.com

Chemieanlagenbau Chemnitz GmbH
http://www.chemieanlagenbau.com

Chemoform AG
http://www.chemoform.de

Chloran Chemical Production Co. (CCPC)

CIA - Chemicals Industries Association Ltd
http://www.cia.org.uk

Coogee Chlor Alkali Pty Ltd
http://www.coogee.com.au

De Nora Deutschland GmbH
http://www.denora.com/

Descote
http://www.descote.com

DDG Chemtech Projects & Services GmbH
http://www.ddg-chemtech.de

DUPONT ASTUARIAS, S.L.
http://www.dupont.es

Econ Industries Services GmbH
http://www.econservices.com

ERAMET SANDOUILLE SAS
http://www.erametsandoi.com

Essencia ASBL
http://www.essencia.com

European Salt Association (European Salt Producers’ Association)
http://www.essp.org

Evonik Industries
http://www.evonik.com

Fashion Petrochemical Industries
http://www.fashionpetrochemical.com

FEDECHIMICA - Federazione Nazionale dell’ Industria Chimica
http://www.fechedimica.it

FIKE Europe bvba
http://www.fike.com

Garlock Sealing Technologies
http://www.garlock.eu

Gazechim
http://www.gazechim.com

GMC Cerling, Holz & Co Handels GmbH
http://www.gmc.com

Haixing Enco Chemical Co., Ltd.
http://www.haixingenco.com

Helm AG
http://www.helmag.com

Hunt & Mitton Valve Company
http://www.hunt-valve.com

Huntsman Belgium BVBA
http://www.huntsman.com

IKEM - Innovation and Chemical Industries in Sweden
http://www.ikem.se

INQUIDE S.A.
https://www.inquideusa.com

IXOM (formerly Orica Chemicals)
http://www.okemon.com

Jiangsu Ancan Technology Co., Ltd.
http://www.jiangsuancan.com

Jordan Bromine Company
http://www.jordannabin.com

K+S Entsorgung GmbH
http://www.ksentsorgung.de

Kronos Worldwide Inc
http://www.kronosworldwide.com

KUROTEC-KTS KUNSTSTOFFTECHNIK STADE GMBH
http://www.kurotec.de

Leuna Tenside GmbH
http://www.leunatenside.de

Lonza AG
http://www.lonza.com

Lubrizol Deutschland GmbH
http://www.lubrizol.de

MAVESZ - Magyar Vegyipari Szovetseg
https://www.mavesz.hu

Mersen Pgy SAS
http://www.mersen.com/markets/corrosive-chemicals/chlor-alkali

Nantai Chemical Industry Co., Ltd.
http://www.nantai.com

Nantong Xingqiu Graphite Equipment Co., Ltd
http://www.xingqiu.com

NEELTRAN, INC.
http://www.neeltran.com

Nippon Soda
http://www.nippon-soda.co.jp

Niro Chlor co.
http://www.nirochlor.com

Nuberg Engineering Limited
http://www.nubergengineering.com

Olin (Blue Cube Operations, LLC)
http://www.olin.com

Permacad AB
http://www.permacad.se

Pfeiffer Chemie-Armaturenbau GmbH
http://www.pfeiffer-armaturen.de

Phoenix Armaturen-Werke Bregel GmbH
http://www.phoenix-armaturen.de

Powell Fabrication & Manufacturing LLC.
http://www.powellfabrication.com

PRINS Rubber & Plastics Co., Inc.
http://www.prinsrubber.com

Recherche 2000 Inc.
http://www.recherche2000.com

Richter-Chemie-Technik GmbH
http://www.richter-chemie.de

SAFECO PRODUCTS INC.
https://www.safeco-products.com

Sasol Chemicals a division of Sasol South Africa (Pty) Ltd
http://www.sasol.com

Savino Barbera SRL
http://www.savinobarbera.com

SCNP - Association of Chemical Industry of the Czech Republic
http://www.chemicka.cz

Scienceindustries
http://www.scienceindustries.ch
See more information about VinylPlus®, the voluntary commitment to sustainable development of the European PVC industry which features ECVM as a key partner at https://chlorineindustryreview.com/about-us/.

Our Downstream Stakeholders

Euro Chlor is strengthening links with other key industry associations, including the European Council of Vinyl Manufacturers (ECVM) and the European Diisocyanite & Polyol Producers Association (ISOPA).

ABOUT US | THE SECRETARIAT

Changes at the Secretariat

This past year the Euro Chlor Secretariat has undergone many changes – a new Executive Director and three new colleagues, the move to a brand new Cefic office on the 10th floor of rue Belliard 40 in the heart of the EU district, new Management Committee members, updated membership categories and new IT systems and tools.

Marleen Pauwels, previously Science & Regulatory Affairs Director, succeeded Dolf van Wijk as Executive Director at the beginning of 2019 when he retired. Marleen joined Euro Chlor as Science Manager in 2011 and had been Science & Regulatory Affairs Director since September 2016.

Early in 2019, Angelica Candido joined Euro Chlor as Sector Group Manager for the European Chlorinated Solvents Association (ECSA) Sector Group, Kristof May as Regulatory Affairs Manager and Assumpta Tabaro as Management Assistant.

Our Downstream Stakeholders

Euro Chlor is strengthening links with other key industry associations, including the European Council of Vinyl Manufacturers (ECVM) and the European Diisocyanite & Polyol Producers Association (ISOPA).

VinylPlus®, the voluntary commitment to sustainable development of the European PVC industry which features ECVM as a key partner at https://chlorineindustryreview.com/about-us/.

Our downstream stakeholders

Euro Chlor is strengthening links with other key industry associations, including the European Council of Vinyl Manufacturers (ECVM) and the European Diisocyanite & Polyol Producers Association (ISOPA).

PARTNERS

Senior Aerospace Ermeto
http://www.senior-aerospace-ermeto.com
SEQENS Acid & Derivatives
http://www.seqens.com
SGL Carbon GmbH
http://www.sglcarbon.com
SIEM Supranite
http://www.siem-nl.com
Sinpeco Jianghan Salt & Chemical Complex
http://www.sinpeco.com/group/index_en.html
Sojitz Europe plc
http://www.sojitz.com
Spolana s.r.o
http://www.spolana.cz
Steuler-KCH GmbH
http://www.steuler-kch.de
Syngenta Crop Protection Monthey SA
https://www.syngenta.com
TechimpMC France
http://www.techimpmc.com
TEJIN ARAIMID BV
http://www.teijinaramid.com
ThyssenKrupp Uhde Chlorine Engineers GmbH
http://www.thyssenkupp-uhde-chlorine-engineers.com
Tosoh Corporation
http://www.tosoh.com
Tronox Pigments (Holland) B.V.
http://www.tronox.com
UNILEVER-KNORR S.A.
http://www.unilever.com
VAN DEN HEUVEL WATERVERTECHNOLOGIE BV
http://www.vdhenk.com
VCI - Verband der Chemischen Industrie e. V.
http://www.vci.de
VELTEK ASSOCIATES INC.
http://www.veltek.com
Vinyl Vegypari KFT
http://www.vinyl.hu
VNCI - Vereniging van de Nederlandse Chemische Industrie
https://www.vnci.nl
W.L. Gore & Associates GmbH
http://www.wlgore.com
Xomox International GmbH & Co. OHG - Crane ChemPharma
& Energy
http://www.cranexpe.com

For more information:
https://chlorineindustryreview.com/about-us

Marleen Pauwels
Executive Director
Angelica Candido
ECSA Manager
Kristof May
Regulatory Affairs Manager
Assumpta Tabaro
Management Assistant

Euro Chlor assumes Secretariat of World Chlorine Council

Euro Chlor has taken over the Secretariat of the World Chlorine Council (WCC) as of 1 January 2019 and will lead the operations of this global network representing the chlorine and chlorinated products industries for the coming two years.
Euro Chlor supports a safe, sustainable and successful chlor-alkali industry for Europe.

Chlor-alkali is an essential building block for the manufacture of numerous products that we rely on every day. Across Europe, millions of jobs are dependent on the availability of competitively priced chlor-alkali supplies.

Chlor-alkali chemistry is also vital for the development of the innovative materials we will need in the future.

Euro Chlor’s 39 producing members operate 58 manufacturing locations in 19 European countries, representing 97% of all European production capacity.

Euro Chlor represents the interests of chlor-alkali producers in Europe; encourages best practices in safety, health and environmental protection and promotes the economic and social benefits of chlor-alkali and the many industries that rely on them.

Based in Brussels, Belgium, Euro Chlor is a sector group of Cefic (European Chemical Industry Council), which represents chemical companies across Europe, directly providing 1.2 million jobs and accounting for 14.7% of world chemical production.

Euro Chlor is a member of the World Chlorine Council, a global network of regional organisations that represents producers accounting for more than 80% of worldwide chlor-alkali production capacity.