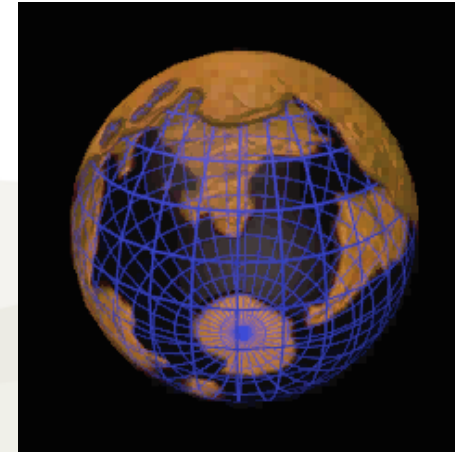




Welcome to

**MLPC International**



# Discover MLPC International

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- Subsidiary of Arkema, MLPC International has developed over nearly 60 years its expertise in the chemistry of CS<sub>2</sub> (carbon sulfur), cyanogen chloride (CNCl) and amines.
- MLPC International is a worldwide leader or co-leader in the production and sales of additives for the rubber industry (thioureas, guanidines and rubber chemical masterbatches) and fine chemicals intermediates such as carbazides and isothiocyanates.
- The turnover of MLPC International is approximately 60 millions euros. More than 87 % of the sales are made outside France. Europe (excluding France) is about 44 %, Americas 22 % and Asia 11 %.
- Certified to ISO 9002 since 1995 and ISO 9001 : 2000 since 2001.

# Discover MLPC International

MLPC International is located in France, in the southwest, near by Bordeaux.

MLPC supplies various curing agents either in powder form or in Mixland form (pellets or slabs).



**MLPC is a world leader for predispersed curing agents (Mixland+)**

# Discover MLPC International

- MLPC International employs approx 240 persons working in 2 production plants :  
Rion des Landes and Lesgor.



Rion des Landes plant



Lesgor plant



# Our history

---

**1926**

Creation of the "Société Landaise de Produits Chimiques" producing wood derivatives (charcoal, tar and pyroligneous) from the raw material of the region : pine trees.

**1939**

Creation of a joint stock company : "Manufacture Landaise de Produits Chimiques"

**1944**

First listing of MLPC share on the Paris Stock Exchange

**1945**

Development of the production of paints from light oils then rosin oils

**1949**

Beginning of the chemical activity (synthetic products for the rubber industry)

**1955**

Construction of a new plant in Lesgor

**1966**

Stopped the carbonisation activities and concurrently launched of new rubber chemicals (thioureas)

**1989**

Elf Atochem becomes the main shareholder of MLPC (67,2 %)

**1995**

Purchase of the carbazides business from Degussa

**1998**

The company's name is changed into MLPC International

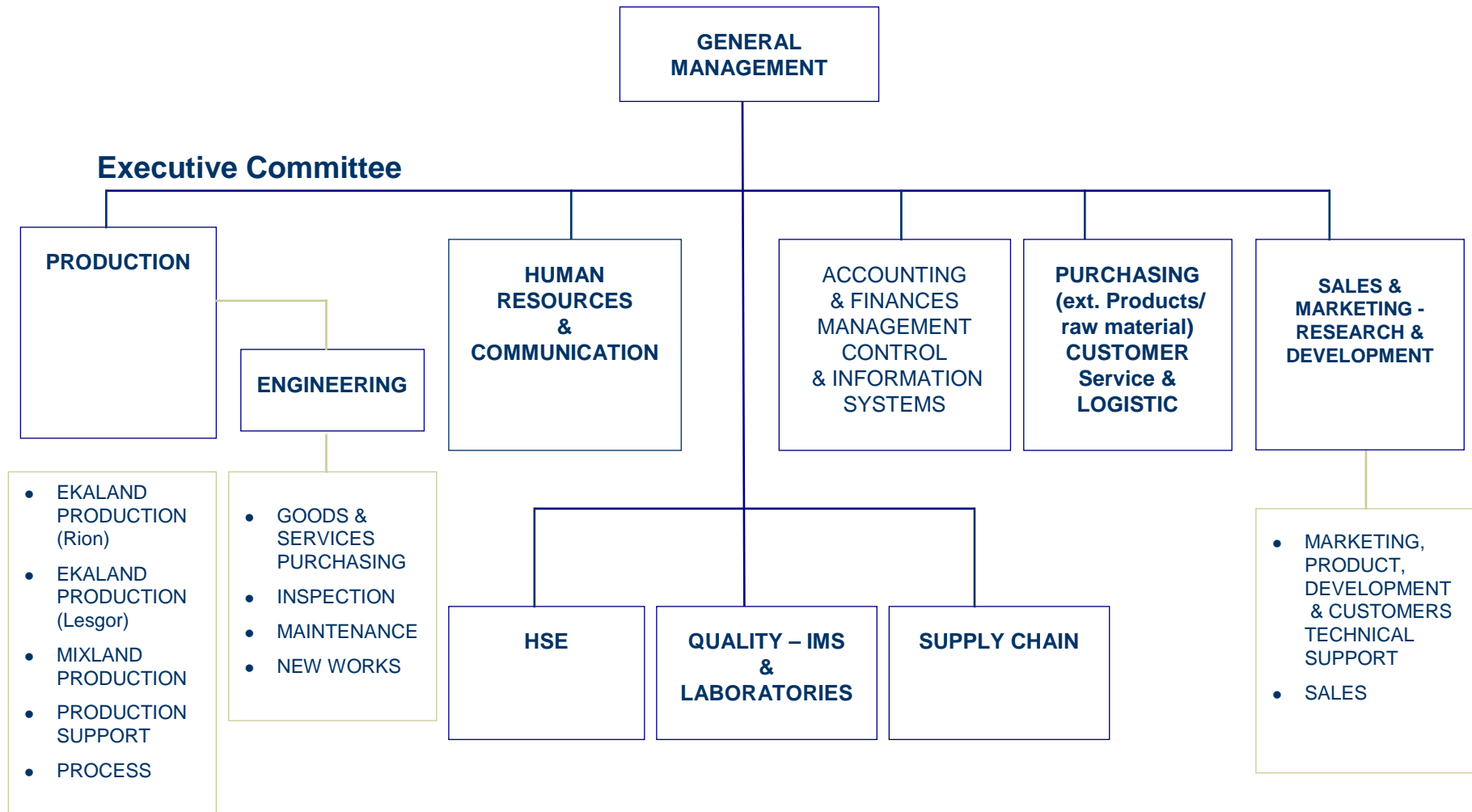
**2000**

Start-up of the unique masterbatch plant

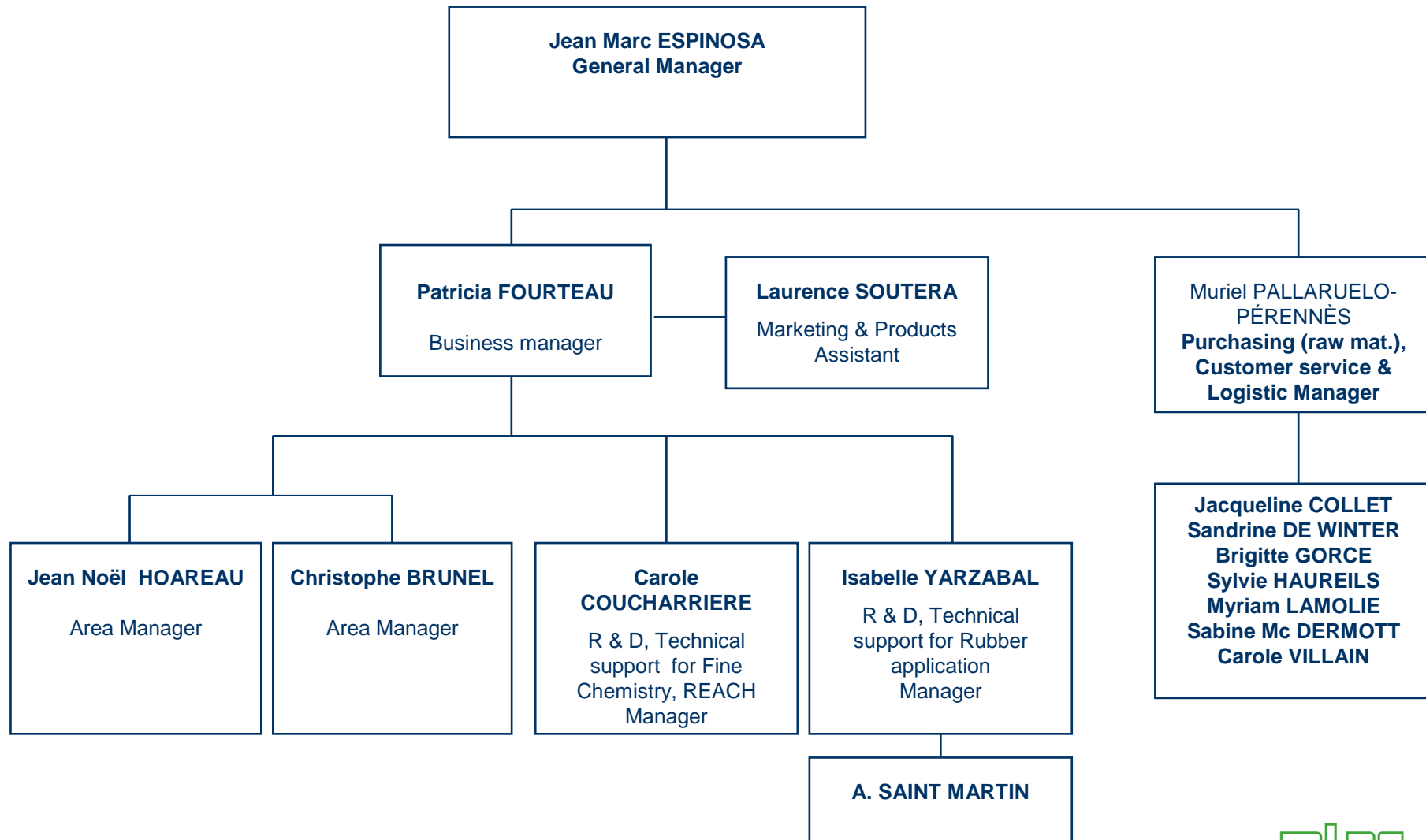
**2005**

MLPC International becomes a 100 % subsidiary of Arkema group (previously Elf Atochem then Atofina)

# General Organisation

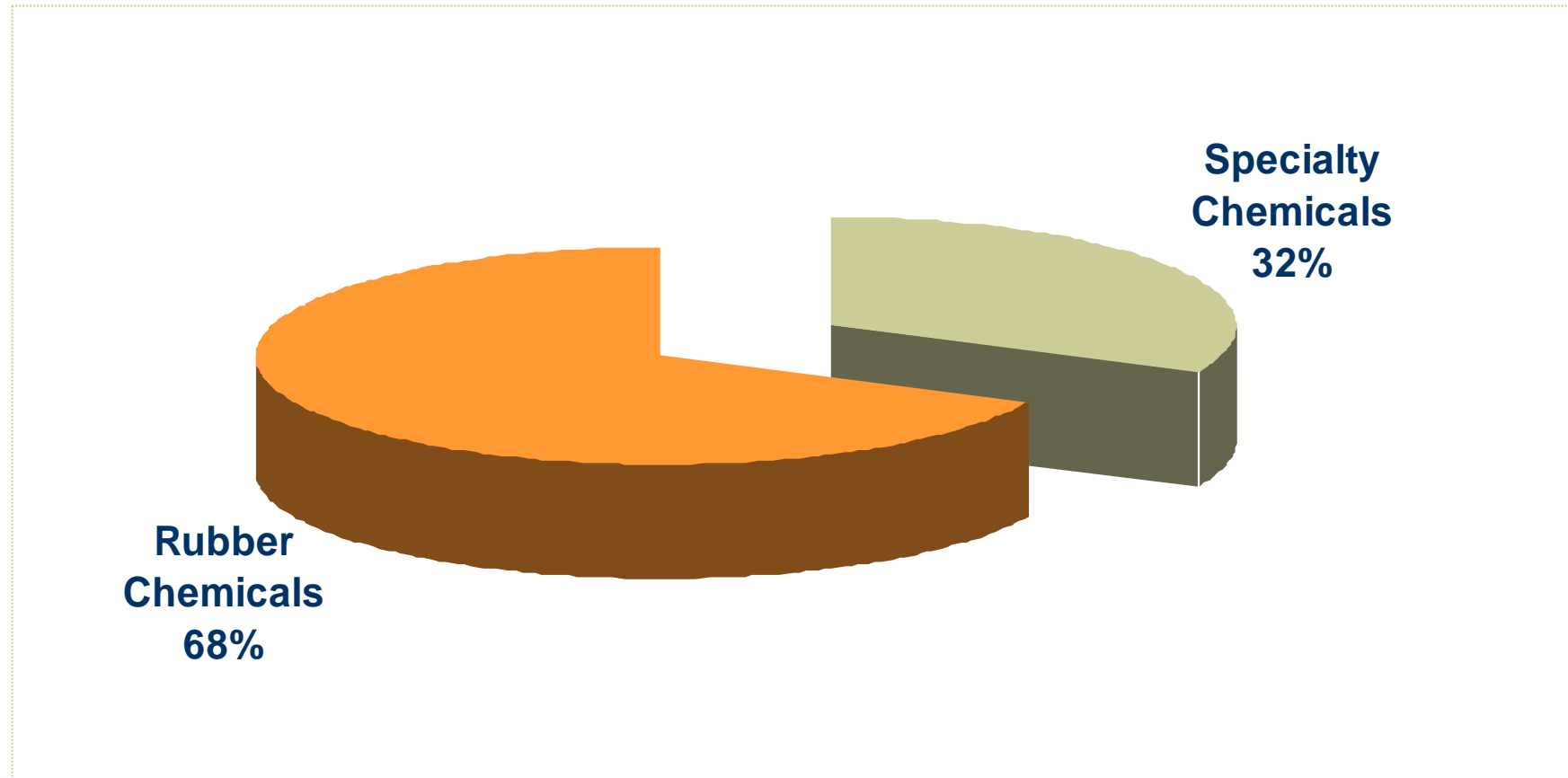


# Our marketing & commercial organisation



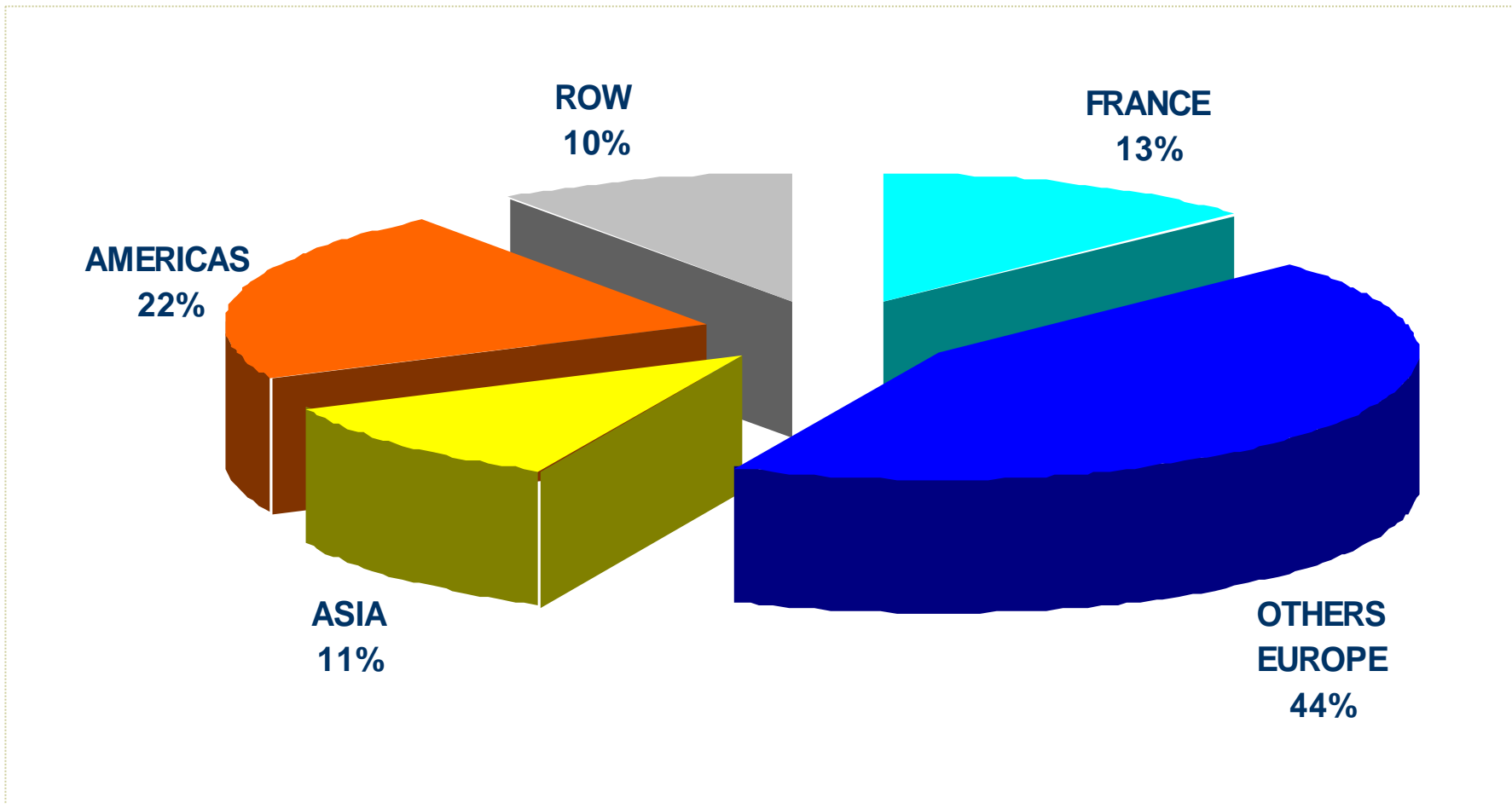
# Sales Breakdown

*By end-markets*



# Sales Breakdown

*Geographic breakdown of sales*



# Worldwide Sales

 <p><b>Argentina</b></p> <p>VETEK S.A. Av. Del Libertador 5480, Piso 11° Of. 426 BXP, Buenos Aires Argentina ☎ (54) 11 4788 4117 / 0277 Fax: (54) 11 4706 2910 <a href="mailto:gfernandez@veteksa.com.ar">gfernandez@veteksa.com.ar</a></p>	 <p><b>Australia</b></p> <p>SAFIC-PACIFIC Pty Ltd PO Box 189 Aspley Queensland 4034, Australia ☎ (61) 7 3863 3550 ☎ (61) 7 3863 3553 <a href="mailto:ylissilour@safigpacific.com">ylissilour@safigpacific.com</a></p>	 <p><b>Belgium</b></p> <p>SAFIC-ALCAN Benelux S.A./N.V. Neringstraat n°11 1840 Londerzeel Belgium ☎ (32) 52 30 36 42 Fax (32) 52 30 93 27 <a href="mailto:emmanuel.woestelandt@oerter.be">emmanuel.woestelandt@oerter.be</a></p>	 <p><b>Bosnia</b></p> <p>GALABERN D.O.O. Visokog Stevana 17 11000 Beograd Serbia ☎ (381) 11 2630 780 Fax (381) 11 2180 488 <a href="mailto:alpha-chem@yubc.net">alpha-chem@yubc.net</a></p>	 <p><b>Romania</b></p> <p>SAFIC ALCAN Romania SRL 32, Regina Maria Blvd 1st fl., Room 207 Sector 4, BUCHAREST, Romania ☎ : (40) 21 405 13 10 Fax : (40) 21 405 13 02 <a href="mailto:roberta.iiie@safig-alcant.ro">roberta.iiie@safig-alcant.ro</a></p>	 <p><b>Russia</b></p> <p>CERAMEX LTD 3 Lesnaja Str., Kuznechikha Village, 150510 Yaroslavl area, Russian Federation ☎ (7) 4852 58 19 30 / 31 / 32 Fax (7) 4852 58 19 20 <a href="mailto:ceramex@ceramex.ru">ceramex@ceramex.ru</a></p>	 <p><b>Serbia</b></p> <p>GALABERN D.O.O. Visokog Stevana 17 11000 Beograd Serbia ☎ (381) 11 2630 780 Fax (381) 11 2180 488 <a href="mailto:alpha-chem@yubc.net">alpha-chem@yubc.net</a></p>	 <p><b>Singapore</b></p> <p>ARKEMA Pte Ltd 10 Science Park Rd # 01-01A The Alpha Singapore Science park II Singapore 117684 ☎ (65) 6419 9189 Fax (65) 6419 9188 <a href="mailto:alan.koo@arkema.com">alan.koo@arkema.com</a></p>
 <p><b>Brazil</b></p> <p>PARABOR Rua Fausto, 364 CEP 04285-080 Sao Paulo Brazil ☎ (55) 11 6165 1300 Fax (55) 11 6915 7152 <a href="mailto:vendastec@parabor.com.br">vendastec@parabor.com.br</a></p>	 <p><b>Canada</b></p> <p>HARWICK Standard Distribution Corporation 60 S. Seiberling Street Akron, Ohio 44305-4217 USA ☎ (1) 330 798 9300 Fax (1) 330 798 4089 <a href="mailto:nvgaardk@harwickstandard.com">nvgaardk@harwickstandard.com</a></p>	 <p><b>Chile</b></p> <p>AUSTRAL CHEMICALS CHILE S.A Carrascal 3725 Quinta Normal Santiago Chile ☎ (562) 663 53 68 Fax (562) 773 74 17 <a href="mailto:hjacob@austral-chem.cl">hjacob@austral-chem.cl</a></p>	 <p><b>China</b></p> <p>ARKEMA China Invest Co Ltd 6/F Block 1, Life Hub @Danning, 1888 Gonghexin Rd Shanghai 200072 PR China ☎ (86) 21 6147 6888 ext 238 Fax (86) 21 6147 6746 <a href="mailto:Luke.shen@arkema.com">Luke.shen@arkema.com</a></p>	 <p><b>Slovakia</b></p> <p>SAFIC-ALCAN Cesko s.r.o. Mallinova 7a 60200 Brno Czech Republic ☎ (42) 541 144 191 Fax (42) 541 144 190 <a href="mailto:kamil.antos@safig-alcant.cz">kamil.antos@safig-alcant.cz</a></p>	 <p><b>Slovenia</b></p> <p>ORGANOCEM DOO Mallinova 7 Zagreb, Croatia ☎ (385) 1 4677 587 Fax (385) 1 4677 585 <a href="mailto:giurici@organochem.hr">giurici@organochem.hr</a></p>	 <p><b>South Africa</b></p> <p>KARBOCHEM (Pty) Ltd Eastgate Office Park Block B, Ground Floor South Boulevard, Bruma South Africa ☎ (27) 71 682 9885 Fax (27) 71 616 6651 <a href="mailto:andrec@orchemtrading.co.za">andrec@orchemtrading.co.za</a></p>	 <p><b>South Korea</b></p> <p>ARKEMA 11F, Oriental Chemical Building 50, Sogong-dong, Jung-gu, Seoul, 100-718 Korea ☎ (82) 2 3703 6773 Fax (82) 2 3703 6891 <a href="mailto:dong-hyuk.shin@arkema.com">dong-hyuk.shin@arkema.com</a></p>
 <p><b>Colombia</b></p> <p>NOVAKEM SA Carretera 19B No. 82-46 Of.301 Bogota, D.C. - Colombia ☎ (57) 1 623 3035 Fax (57) 1 623 3502 <a href="mailto:hugarzon@novakem.com.co">hugarzon@novakem.com.co</a></p>	 <p><b>Croatia</b></p> <p>ORGANOCEM DOO Mallinova 7 Zagreb, Croatia ☎ (385) 1 4677 587 Fax (385) 1 4677 585 <a href="mailto:giurici@organochem.hr">giurici@organochem.hr</a></p>	 <p><b>Czech Republic</b></p> <p>SAFIC-ALCAN Cesko s.r.o. Kounicova 67a 60200 Brno Czech Republic ☎ (42) 541 144 191 Fax (42) 541 144 190 <a href="mailto:kamil.antos@safig-alcant.cz">kamil.antos@safig-alcant.cz</a></p>	 <p><b>Denmark</b></p> <p>SAFIC-ALCAN Nordic AB Faktorvägen 9 S-434 37 Kungsbacka Sweden ☎ (46) 300 302 41 Fax (46) 300 732 51 <a href="mailto:magnus.lindeberg@safig-alcant.se">magnus.lindeberg@safig-alcant.se</a></p>	 <p><b>Spain</b></p> <p>VIGAR Distribucion, S.L. Poligono Industrial "La Bastida" Ctra de Molins a Caldas, km 13 08191 Rubi, Barcelona Spain ☎ (34) 93 699 8611 Fax (34) 93 699 9251 <a href="mailto:y.garcia@vigar-sa.es">y.garcia@vigar-sa.es</a></p>	 <p><b>Sri Lanka</b></p> <p>CSI International Lanka Ltd 16 Albert Crescent Colombo 7 Sri Lanka ☎ (94) 772 56 50 55 <a href="mailto:jin_csi@sitrnet.lk">jin_csi@sitrnet.lk</a></p>	 <p><b>Sweden</b></p> <p>SAFIC-ALCAN Nordic AB Faktorvägen 9 S-434 37 Kungsbacka Sweden ☎ (46) 300 302 41 Fax (46) 300 732 51 <a href="mailto:magnus.lindeberg@safig-alcant.se">magnus.lindeberg@safig-alcant.se</a></p>	 <p><b>Taiwan</b></p> <p>ARKEMA Co Ltd TAIWAN Branch 8th/F-5, 188 Nanking E.Road Sec.5, Taipei, Taiwan, ROC ☎ (886) 2 2747 6979 ext. 16 Fax (886) 2 2747 6574 <a href="mailto:Chris.hsu@arkema.com">Chris.hsu@arkema.com</a></p>
 <p><b>Finland</b></p> <p>SAFIC-ALCAN Nordic AB Faktorvägen 9 S-434 37 Kungsbacka Sweden ☎ (46) 300 302 41 Fax (46) 300 732 51 <a href="mailto:magnus.lindeberg@safig-alcant.se">magnus.lindeberg@safig-alcant.se</a></p>	 <p><b>France</b></p> <p>SAFIC-ALCAN SAS 3, rue Bellini 92306 Puteaux Cedex France ☎ (33) 1 46 92 63 63 Fax (33) 1 47 67 04 42 <a href="mailto:VanLinh.Dang@Safic-Alcan.FR">VanLinh.Dang@Safic-Alcan.FR</a></p>	 <p><b>Germany</b></p> <p>SAFIC-ALCAN GmbH Wolfsheimer Strasse 1 D-55543 Bad Kreuznach Deutschland ☎ (49) 671 79 46 130 Fax (49) 671 48 34 524 <a href="mailto:bernhard.hoyer@safig-alcant.de">bernhard.hoyer@safig-alcant.de</a></p>	 <p><b>Hungary</b></p> <p>SAFIC-ALCAN Cesko s.r.o. Kounicova 67a 60200 Brno Czech Republic ☎ (42) 541 144 191 Fax (42) 541 144 190 <a href="mailto:kamil.antos@safig-alcant.cz">kamil.antos@safig-alcant.cz</a></p>	 <p><b>Thailand</b></p> <p>ARKEMA Pte Ltd 10 Science Park Road #01-01A Singapore Science Park II The Alpha Singapore 117684 ☎ (65) 9646 8394 Fax (65) 6419 9161 <a href="mailto:alan.koo@arkema.com">alan.koo@arkema.com</a></p>	 <p><b>Turkey</b></p> <p>ERAL LASTIK ITHALAT IHR Yeni Parselleri Mevkii Cumhuriyet Caddesi Gercemler Sitesi B. Blok Kat:7, Kavacik/Beykoz 34805 Istanbul, Turkey ☎ (90) 216 425 40 30 Fax (90) 216 425 48 08 <a href="mailto:asli_taskoparan@eral-protek.com">asli_taskoparan@eral-protek.com</a></p>	 <p><b>United Kingdom</b></p> <p>HUBRON Speciality Ltd Albion street, Fallsworth Manchester M35 0FP United Kingdom ☎ (44) 161 681 2691 Fax (44) 161 683 4658 <a href="mailto:m.f.ciccognani@hubron.com">m.f.ciccognani@hubron.com</a></p>	 <p><b>USA</b></p> <p>HARWICK Standard Distribution Corporation 60 S. Seiberling Street Akron, Ohio 44305-4217 USA ☎ (1) 330 798 9300 Fax (1) 330 798 4089 <a href="mailto:nvgaardk@harwickstandard.com">nvgaardk@harwickstandard.com</a></p>
 <p><b>India</b></p> <p>WEST COAST POLYCHEM Pvt.Ltd 136 Tardeo Road Mumbai 400034 India ☎ (91) 22 235 234 71 Fax (91) 22 235 233 60 <a href="mailto:bharat@westcoastpolychem.com">bharat@westcoastpolychem.com</a></p>	 <p><b>Indonesia</b></p> <p>ARKEMA Co Ltd TAIWAN Branch 8th/F-5, 188 Nanking E.Road Sec.5, Taipei, Taiwan, ROC ☎ (886) 2 2747 6979 ext. 16 Fax (886) 2 2747 6574 <a href="mailto:Chris.hsu@arkema.com">Chris.hsu@arkema.com</a></p>	 <p><b>Italy</b></p> <p>SAFIC-ALCAN Italia Viale Forlanini, 73 20024 Garbagnate Milanese Italia ☎ (39) 02 99 02 02 05 Fax (39) 02 99 52 891 <a href="mailto:pietro.affer@safig-alcant.it">pietro.affer@safig-alcant.it</a></p>	 <p><b>Japan</b></p> <p>ARKEMA KK Fukoku Seimei Bldg. 15F 2-2-2 Uchisaiwaicho, Chiyoda-ku, Tokyo 100-0011 Japan ☎ (81) 3 5251 9494 Fax (81) 3 5251 9930 <a href="mailto:eizaburo.nishikawa@arkema.com">eizaburo.nishikawa@arkema.com</a></p>	 <p><b>Venezuela</b></p> <p>ORICHEM C.A. Av Orinoco, Torre LIPESA, Piso 7, Ofi. 72, Bello Monte, Caracas 1050 Venezuela ☎ (58) 212 952 8793 Fax (58) 212 954 1175 / 953 4384 <a href="mailto:abadas@cantv.net">abadas@cantv.net</a></p>	 <p><b>Vietnam</b></p> <p>ARKEMA Co Ltd TAIWAN Branch 8th/F-5, 188 Nanking E.Road Sec.5, Taipei, Taiwan, ROC ☎ (886) 2 2747 6979 ext. 16 Fax (886) 2 2747 6574 <a href="mailto:Chris.hsu@arkema.com">Chris.hsu@arkema.com</a></p>		
 <p><b>Luxemburg</b></p> <p>SAFIC-ALCAN Benelux S.A./N.V. Neringstraat n°11 1840 Londerzeel Belgium ☎ (32) 52 30 36 42 Fax (32) 52 30 93 27 <a href="mailto:emmanuel.woestelandt@oerter.be">emmanuel.woestelandt@oerter.be</a></p>	 <p><b>Netherlands</b></p> <p>SAFIC-ALCAN Benelux S.A./N.V. Neringstraat n°11 1840 Londerzeel Belgium ☎ (32) 52 30 36 42 Fax (32) 52 30 93 27 <a href="mailto:emmanuel.woestelandt@oerter.be">emmanuel.woestelandt@oerter.be</a></p>	 <p><b>Macedonia</b></p> <p>GALABERN D.O.O. Visokog Stevana 17 11000 Beograd Serbia ☎ (381) 11 2630 780 Fax (381) 11 2180 488 <a href="mailto:alpha-chem@yubc.net">alpha-chem@yubc.net</a></p>	 <p><b>Malaysia</b></p> <p>ARKEMA Pte Ltd 10 Science Park Road #01-01A Singapore Science Park II The Alpha Singapore 117684 ☎ (65) 9646 8394 Fax (65) 6419 9161 <a href="mailto:alan.koo@arkema.com">alan.koo@arkema.com</a></p>				
 <p><b>Mexico</b></p> <p>SUMINISTRO de Especialidades Pastores # 30, Colonia Santa Isabel Industrial México, D.F. C.P 09820 ☎ (52) 5685 28 88, 5646 46 90 Fax (52) 5685 41 60 <a href="mailto:suministro@prodiqy.net.mx">suministro@prodiqy.net.mx</a></p>	 <p><b>Norway</b></p> <p>SAFIC-ALCAN Nordic AB Faktorvägen 9 S-434 37 Kungsbacka Sweden ☎ (46) 300 302 41 Fax (46) 300 732 51 <a href="mailto:magnus.lindeberg@safig-alcant.se">magnus.lindeberg@safig-alcant.se</a></p>	 <p><b>Poland</b></p> <p>SAFIC-ALCAN Polska Sp z o.o ul. Rzymowskiego 53 02-697 Warszawa Poland ☎ (48) 22 548 00 30 Fax (48) 22 548 00 01 <a href="mailto:Piotr.walis@safig-alcant.net">Piotr.walis@safig-alcant.net</a></p>	 <p><b>Portugal</b></p> <p>MARIO COELHO, Ltda Rua Tenente Valadim, N°113 4100-479 Porto Portugal ☎ (351) 22 605 1170 Fax (351) 22 606 0600 <a href="mailto:sales@mariocoelho.com">sales@mariocoelho.com</a></p>				

# Fields of activity

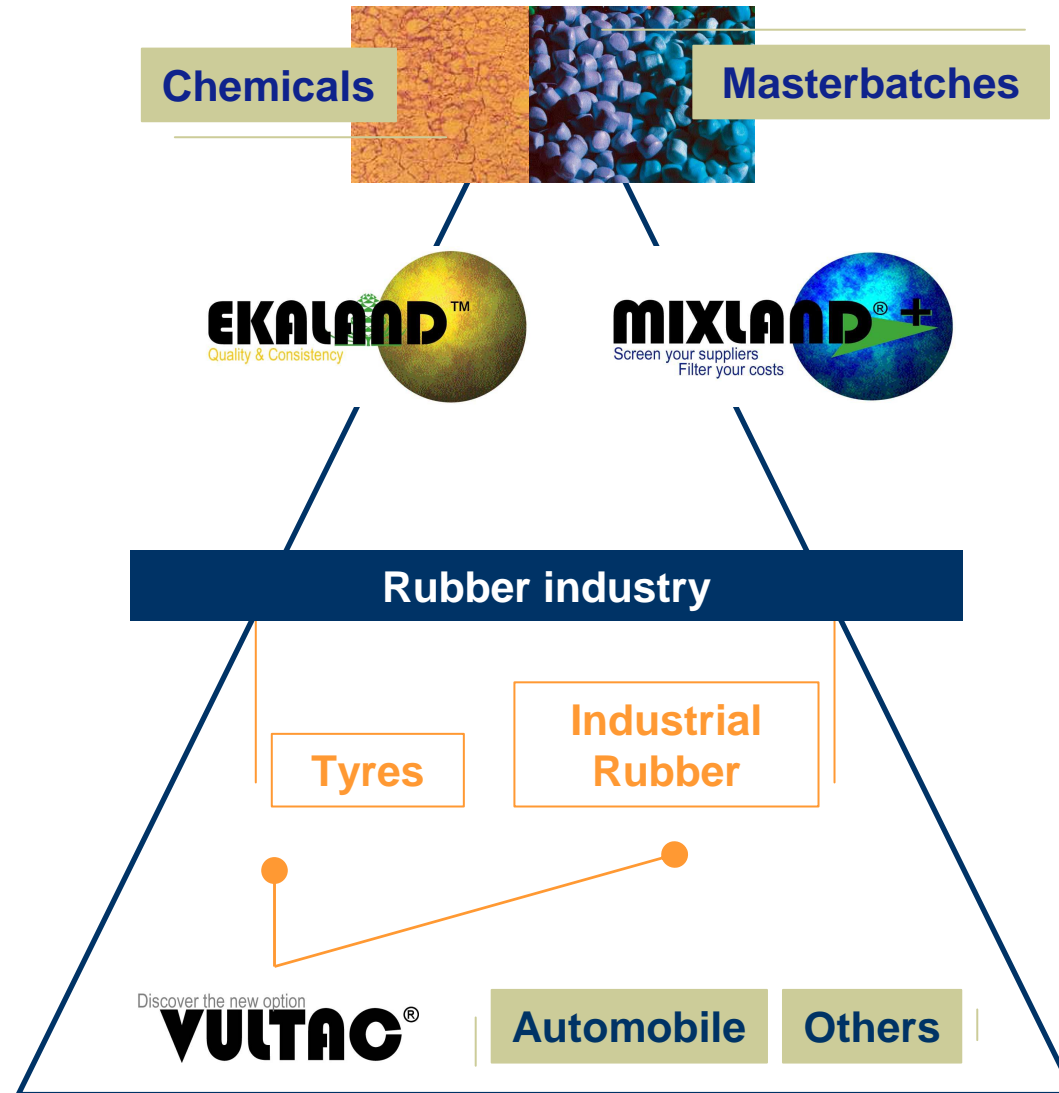
## Applications

### Specialty chemistry:

- agrochemicals
- intermediates for pharmaceuticals
- adhesives
- others

### Rubber industry:

- tyres
- industrial rubber



# Chemicals

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## *Specialty chemistry*

Since 1979, MLPC International has developed a series of specialty chemicals taking advantage of its chemistry and expertise.

The specialty chemicals activity benefits from the synergy with the H<sub>2</sub>S chemistry of Arkema and the support of its Research Center of Lacq (GRL).

- **CARBAZIDES, ISOTHIOCYANATES**  
Agrochemicals, pharmaceuticals, wood preservation
- **DITHIOCARBAMATES**  
Acrylic acid (stabilizing)
- **THIOUREAS**  
Metal surface treatment
- **PHENOLICS**  
Rubber to metal bonding agents, waters treatment

# Chemicals

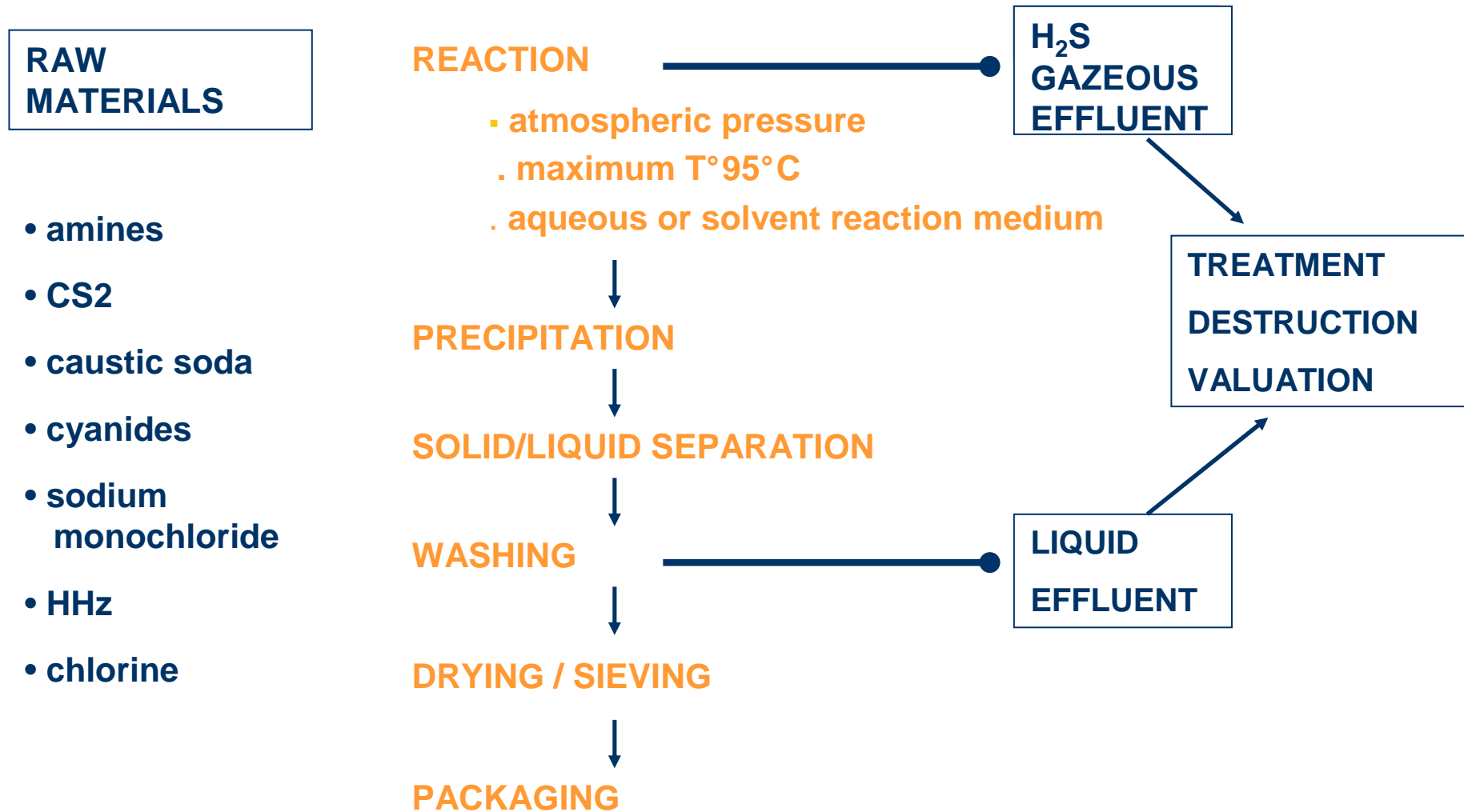
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*Rubber industry*



- **SPECIALITY ACCELERATORS**
  - Guanidines
  - Thioureas
  - Dithiocarbamates
  - Thiurams
  
- **SULFUR DONOR**
  - DTDM
  - TBzTD

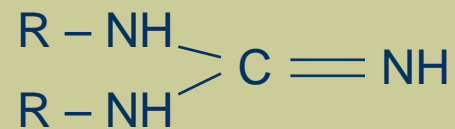
# Chemicals: Typical Production Process



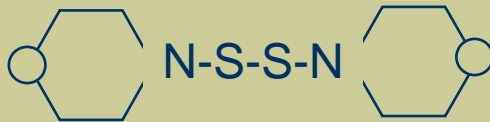
# Our chemistry

*Rion des Landes plant*

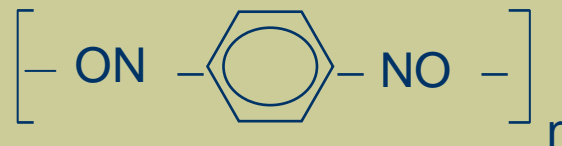
## GUANIDINES (DPG, DOTG)



## DITHIODIMORPHOLINE (DTDM)



## PHENOLIC DERIVATIVES (PPDN, PARA BQD, PNP)



# Our chemistry

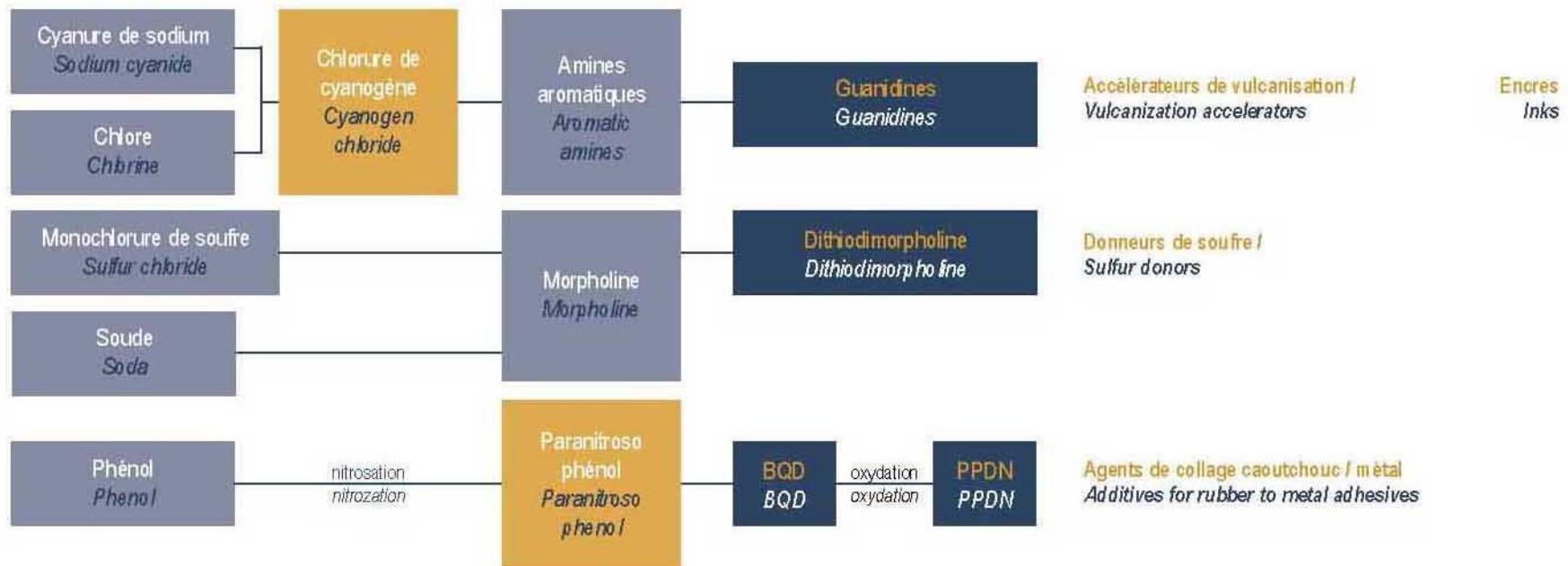
## Rion des Landes plant

MATIÈRES PREMIÈRES & INTERMÉDIAIRES  
RAW MATERIALS & INTERMEDIATES

PRODUITS FINIS  
MANUFACTURED PRODUCTS

APPLICATIONS CAOUTCHOUC  
RUBBER APPLICATIONS

AUTRES  
OTHERS



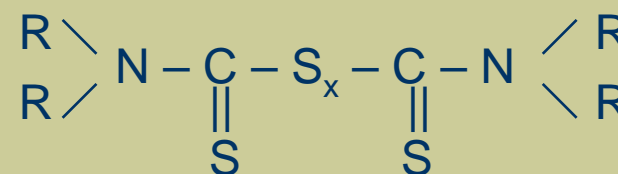
# Our chemistry

*Lesgor plant*

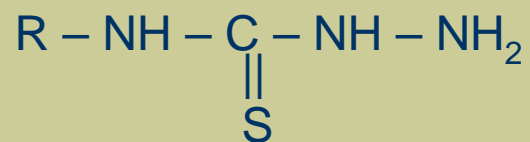
## THIOUREAS



## THIURAMS



## CARBAZIDES

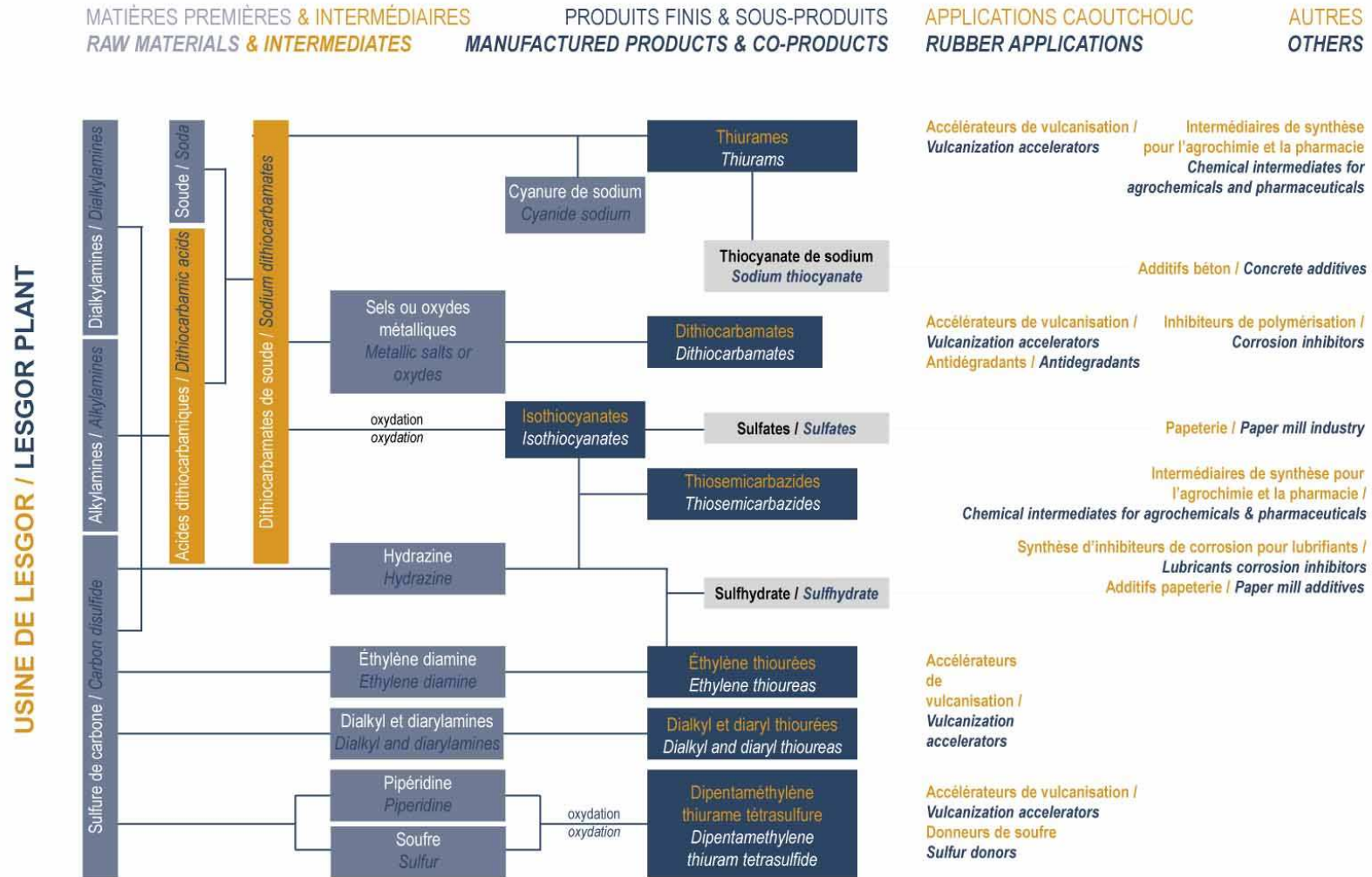


## DITHIOCARBAMATES



# Our chemistry

## Lesgor plant



# Polymerbound Rubber Chemicals

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*Rubber industry*



- **POLYMERBOUND RUBBER CHEMICALS MASTERBATCHES**

- Wide range of products
- High concentration of active material
- Different filtrations possible
- Presentation in granules or slabs

- **PRODUCTION**

- Rion des Landes plant
- Tolling partnerships

- **ADVANTAGES**

- Dust-free, easy handling
- Lower usage of active material
- Increased mixing speed
- Lower scrap

# Our policy

---

MLPC International is actively engaged in a voluntary approach, based on dialog, with the aim to ensure its expansion and sustainability.

This dynamic of progress aims at:

- Preventing accidents involving our employees, sub-contractors and the environment;
- Managing major risks potentially capable to impact the community in which we operate and where we want to continue to be welcome;
- Satisfying our customers, current and future;
- Motivating and engaging our employees without whom MLPC International cannot achieve its objectives.

This dynamic must translate into practical goals to enable us to resolutely tend towards Excellence in our practices.

# Quality Health Safety Environment

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## *Our Commitments*

**MLPC International aims to be an reliable player in the global chemical industry, exemplary in terms of quality, safety and sustainable development**

- by promoting customers partnerships and working closely with the aim to offer quality products and services
- by pursuing its policy of ongoing improvement in safety and health, in environmental protection and quality based on its Integrated Management System and aim the economic performance, the reliability of industrial tool, the permanence and growth of the company
- by educating, training and involving all concerned, both MLPC International employees and subcontracted personnel, striving therefore for excellence in safety issues;
- by encouraging a community-based dialog to heed the legitimate expectations of stakeholders and in particular our employees and residents living in the vicinity of its facilities.

# Quality Health Safety Environment

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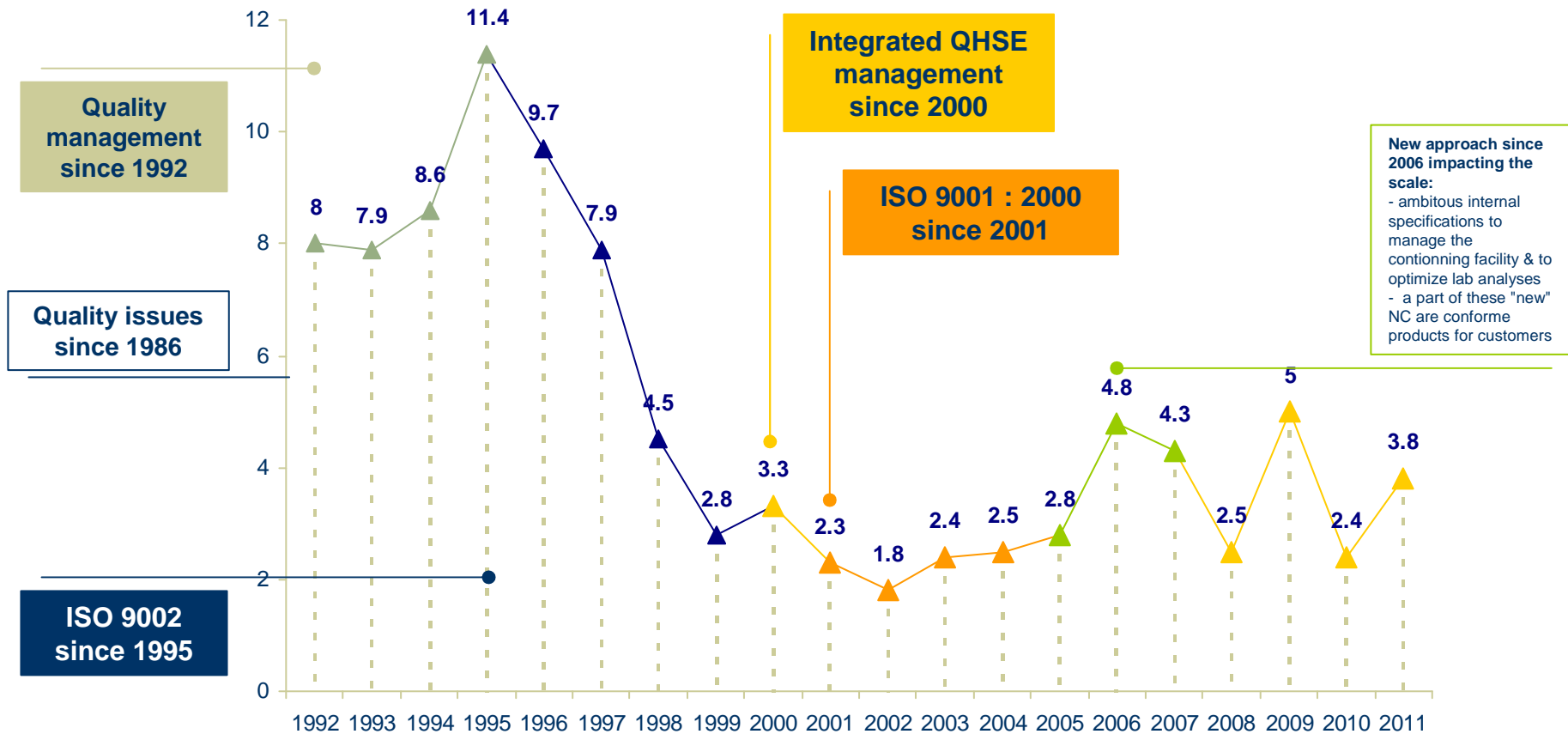
*from Quality management to an integrated management system of QHSE*

- 1992** Implementation of a **Management System for Quality**
- 1995** **First ISO 9002 Certification**
- 1998** **Renewal of ISO 9002 Certification**
- 2000** Development and implementation of an **Integrated Management System (IMS) for Quality, Health, Safety and Environment ; ISO 9002 Certification**
- 2001** Integration of the "Seveso II" -requirements for safety to prevent major accidents ; first ISO 9001 : 2000 Certification  
Renewals of the ISO 9001 2000 Certification and Integration of financial safety requirements in line with the IMS
- 2010** ISO 9001 - 2008 Certification
- 2013** Adhesion to AIMS process of ARKEMA Group and integration to other future requirements in order to perpetuate our activity as part of sustainable development (ISRS/OHAS 18001, ISO 14001 and ISO 9001)

# Quality Health Safety Environment

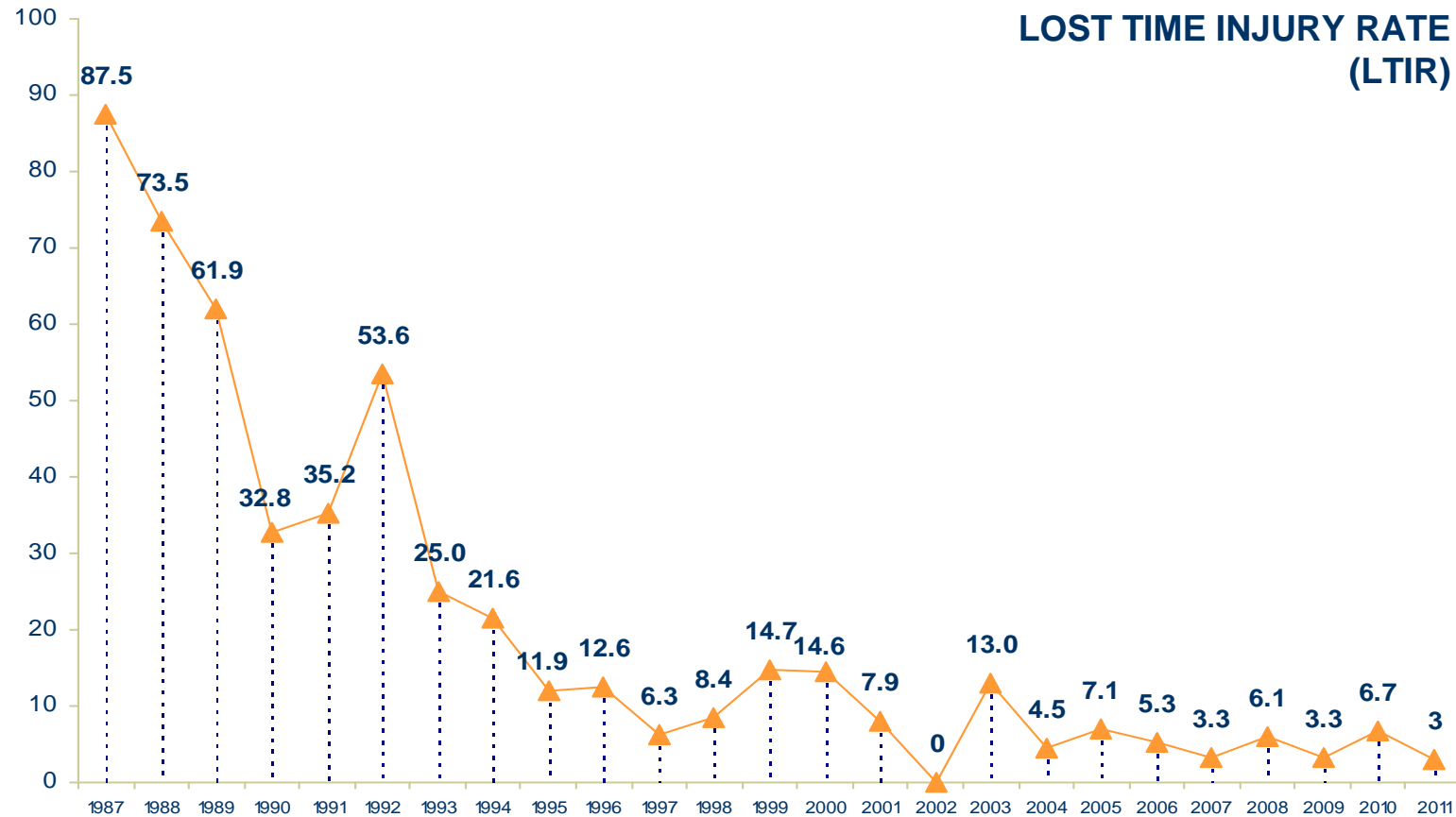
## Quality performance

### RATE OF NON-CONFORME PRODUCTS (physico-chemical specifications)



# Quality Health Safety Environment

## Safety performance



# Quality Health Safety Environment

## Environmental performance

