



THE GLOBAL  
COMPACT

## **Communication On Progress**

**-2004/2005 -**

**menzolit<sup>®</sup>**

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## Menzolit's Policy for the Global Compact

*Thinking sustainability*

by Jean Paul Ollivier, CEO Menzolit

Menzolit France S.A.\* designs, produces and sells thermoset compounds - Sheet Moulding Compound (SMC), Bulk Moulding Compound (BMC), continuous impregnated compounds (CIC) - workable by compression or injection. Fibreglassed materials give excellent mechanical properties and the organic matrix - unsaturated polyester and vinyl ester - increases the thermal resistance.

The automotive - car-body pieces, etc. - and electric - electrical boxes, cutouts, etc. - industries are the outlets of this kind of pieces. The thermoset compounds answer also the sanitary installations' - bath, shower tray, etc. - and the electrical goods industry's needs.

With a turnover of €50 million and a production of 36,000 Tonnes of SMC, BMC and CIC in 2004, Menzolit France S.A. is one of the leading company in the European compounds market.

Thus Menzolit has naturally adopted the 10 principles of the Global Compact in order to demonstrate to its mains customers in automotive, electric and other industries that Menzolit and its products are durable as well as Menzolit is able to build a common future with its customers.

\*Menzolit Fibron's French subsidiary

Menzolit has always complied with the principles 1 to 6 and 10 and there is no use underlying their importance one more time. However Menzolit feels profoundly concerned about the environmental issues in keeping with its para-chemical activities.

As matter of fact, Menzolit is not only ISO 9001 and ISO 16969 certificated. It has been also ISO 14001 certified since 2000. Menzolit selects its suppliers according to their ability to offer products, packaging or transports that do not harm the environment. But Menzolit's environmental policy would be incomplete if the fumes produced by the industrial process had not been reduced. Menzolit has invested in an aspiration system to drastically decrease the VOCs concentration - especially for styrene - inside the workshops (see Menzolit's example of best practice for the Global Compact in 2004-2005). This will be followed by the implementation in 2005-2006 of a specific process designed to filter the rejected air outside the facilities. According to our knowledge, Menzolit is the only European firm using the biofiltration to reduce its "styrene VOC" emissions with such a high air flow extraction (85 000 m<sup>3</sup>). The bio-filter contains bacteria that absorb styrene and decrease the styrene concentration under 55 mg/m<sup>3</sup> while the French and European norm requires to be under 110 mg/m<sup>3</sup>.

As shows the internal air treatment, our corporate philosophy is ambitious. Our new challenge for a high performance external air treatment system is gathering our energies.

**menzolit**

Global Compact Communication On Progress, 2005

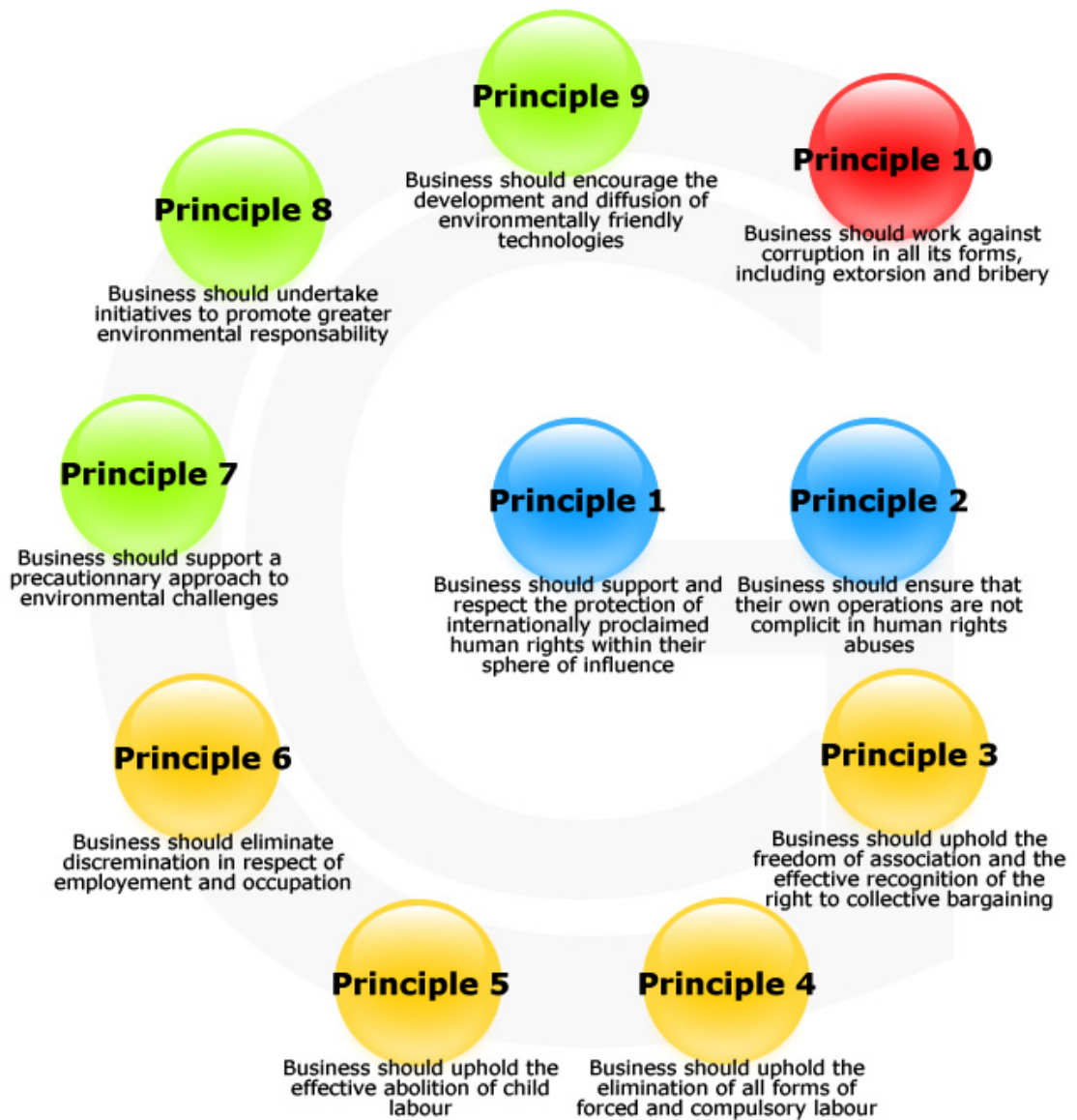
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# 1 Introduction

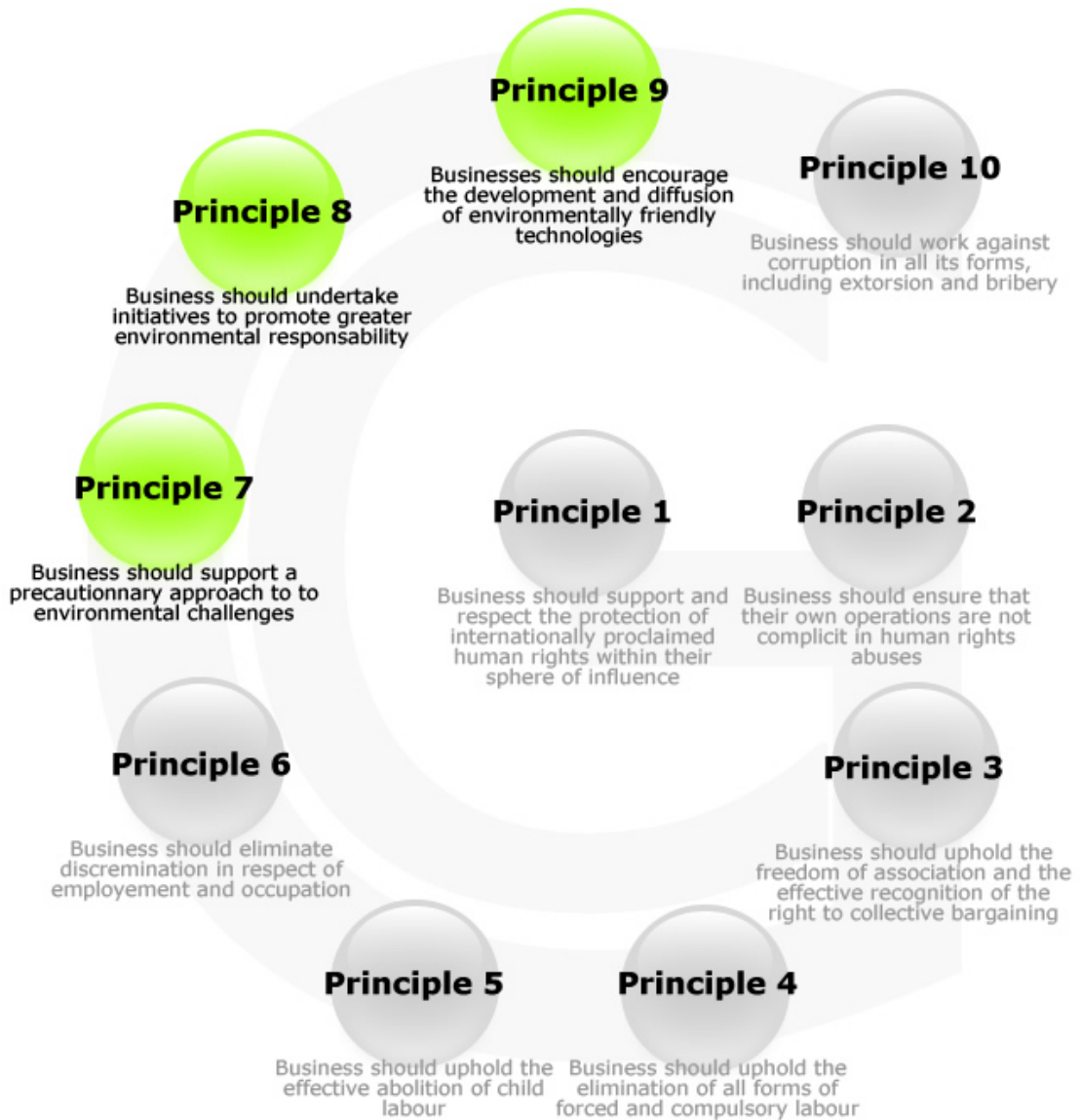
## 1.1 GC 10 Principles


### The Global Compact 10 Principles



## 2 Menzolit's Policy for The Global Compact

### 2.1 Principles 7,8,9 : Menzolit's Environmental Policy

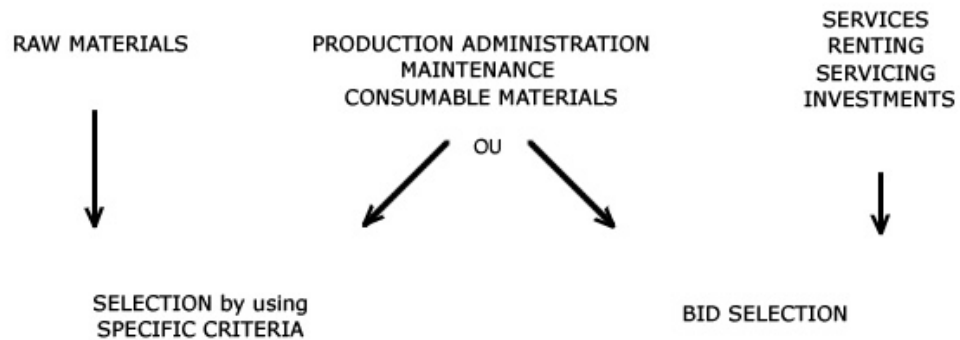


 Principles taken into consideration



**MENZOLIT (France)**  
**MENZOLIT's Purchase Policy : Selecting the Suppliers**

Menzolit has two different ways to select its suppliers:



**Criteria #1 (coefficient 3)**

- 01 Price
- 02 Flexibility
- 03 **Quality of the product**
- 04 Reception
- 05 **ISO certification**

**Criteria #2 (coefficient 2)**

- 06 Assistance in development
- 07 Group's supplier
- 08 Financial health
- 09 Specific products
- 10 Technical assistance

**Criteria #3 (coefficient 1)**

- 11 Proximity
- 12 Renown

• As Menzolit is **ISO 14001** certified, the supplier and **its carrier have to ensure a delivery complying with Menzolit's intern security protocol.**

• Menzolit is also ISO 9001 v2000 and ISO TS 16949 v2002 certified. Thus Menzolit have a management system meeting the requirements of the automotive and other industries. The supplier will have to follow **a complementary approach to Menzolit's quality management.**



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**MENZOLIT (France)**  
**MENZOLIT's Purchase Policy : Selecting the Suppliers**

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In the case of a bid, the following quotations have been selected from Menzolit's specifications:

**QUALITY MANAGEMENT SYSTEM**

See previous requirements for the bid selection (page 4).

**AUDIT**

(...)

- The supplier allows Menzolit to audit its quality management system and to check that it complies with the ISO 9001 v2000 norms.
- Menzolit commit itself to communicate the results of these audits and discuss the improvements and action plans to carry out.

(...)

**TECHNICAL SPECIFICATIONS**

(...)

- The delivered products have to comply with Menzolit's specification sheet. The specifications have been discussed and approved by the supplier and Menzolit's quality service. **The products and packaging have to be without impurities.**

(...)



Principle 7

Principle 8

Principle 9

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**MENZOLIT (France)****MENZOLIT's Purchase Policy : Selecting the Suppliers**

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**QUALITY CONTROL**

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(...)

- The supplier commit itself to use **clean tank trucks** for the deliveries.

The supplier may be asked to provide with proof that the quality of its carrier is checked out.

(..)

**CONDITIONNING/PACKAGING**

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(...)

- The **conditioning/packaging** has to be certified by Menzolit.

(...)

**NON-CONFORMITY PROBLEMS**

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(...)

- Menzolit's quality service will communicate a **yearly quality assessment** to the supplier.

(...)





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**MENZOLIT (France)**  
**Reduction of VOC<sup>1</sup> and styrene<sup>2</sup> emissions within MENZOLIT**

**Actions**

MENZOLIT has led a voluntarist environmental policy for many years and has been ISO 14 001 certified since 2000.

Since 2002 MENZOLIT has tackled the issue of the styrene releases, commonly raised in the plastics industry. Menzolit has invested €387,000 to implement aspiration systems inside the workshops :

- In November, 2002, implementation of an aspiration system in the mixing workshop (dust + fumes)
- In May, 2003, implementation of an aspiration system in the BMC (dust + fumes)
- In September, 2003, implementation of an aspiration system in the SMC and the BMC (dust)
- In October, 2004, implementation of an aspiration system in the technical center (dust, fumes)

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\* Bulk Moulding Compound  
\*\* Sheet Moulding Compound

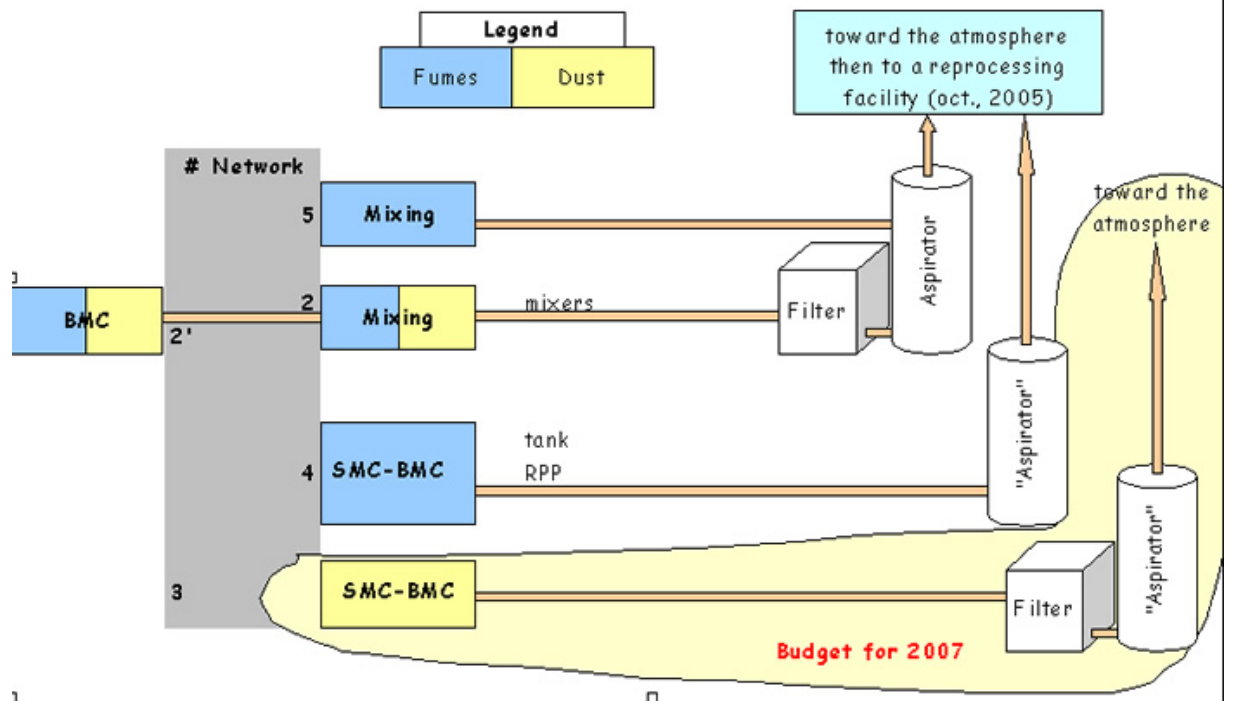
<sup>12</sup> See Annexe 1



**MENZOLIT (France)**  
**Reduction of VOC and styrene emissions within MENZOLIT**

**Actions**

**Air quality treatment**





### MENZOLIT (France)

#### Reduction of VOC and styrene emissions within MENZOLIT

#### Results

#### MEASUREMENT OF THE STYRENE CONCENTRATION

# Point Mark	Posts and location of measuring appliances	Measures made by an external organization Month -Year				Limit value recommended in mg / m <sup>3</sup>
		CRAM Centre	BUREAU VERITAS			
		Feb-99	Mars-02	Oct.-03	Jan-05	
<b>PRODUCTION</b>						
G	Conductor RPP2/RPP3	144	129	8	25	215
K1	Mixer loading G1/G2	125		20	10	215
K2	Manual packaging BMC	180		104	65	215
N	Mixing post	220	70	15	33	215
P1	Manual packaging CIC	190		37	56	215
<b>TECHNICAL CENTER</b>						
P2	Labs' work surface R&D	94		25	58	215
P3	125kg Mixer	350	81		32	215

The data collected by the measuring appliances point out the efficiency of MENZOLIT's investments

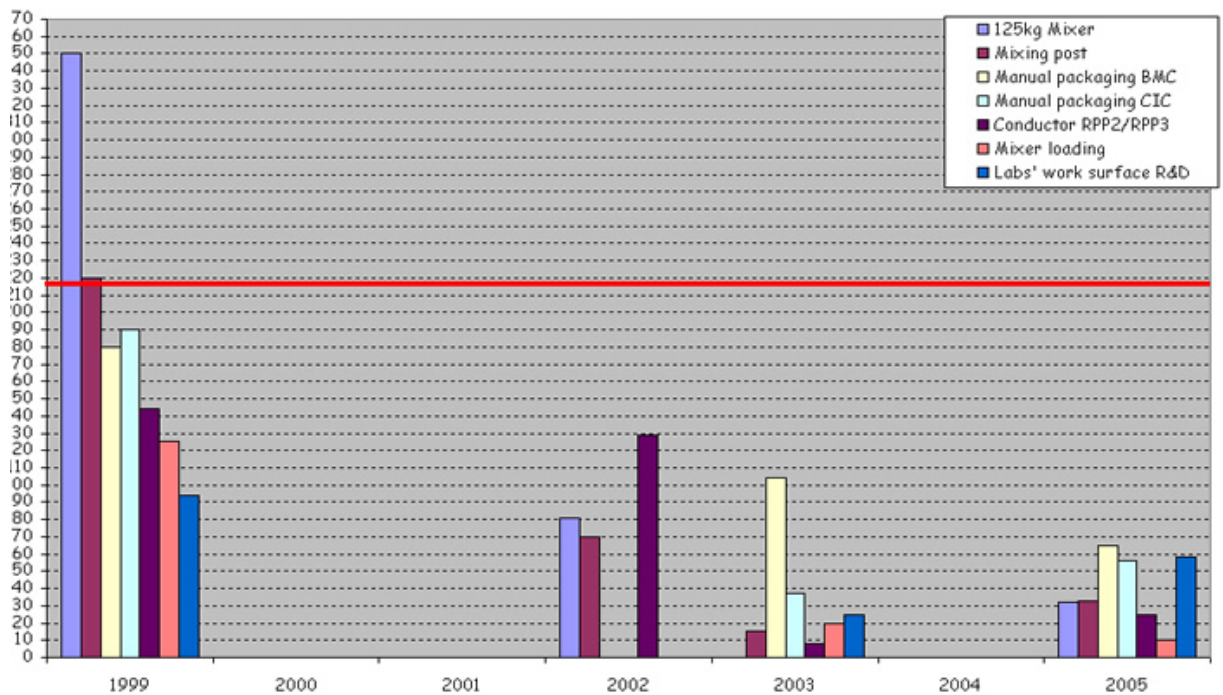
#### Keywords

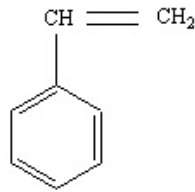
VOC, Styrene, Environment, Fumes, Aspiration System



**MENZOLIT (France)**  
**Reduction of VOC and styrene emissions within MENZOLIT**

**Annexe 2**



**MENZOLIT (France)****Reduction of VOC and styrene emissions within MENZOLIT****Annexe 1****Styrene**Styrene (C<sub>8</sub>H<sub>8</sub> vinylbenzène)

Styrene is classified as a possible human carcinogen by the Environmental Protection Agency (EPA) and by the International Agency for Research on Cancer (IARC). Styrene is primarily a synthetic chemical that is used extensively in the manufacture of plastics, rubber, and resins.

**Volatile Organic Compounds**

Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing, and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.

From <http://www.epa.gov/>