



European Solvents Industry Group

Advice and help in hydrocarbon
and oxygenated solvents

www.esig.org

CASE STUDY - Cost-minimised abatement in action

Solvent emissions per unit of production have halved over the past 15 years reflecting the European solvent industry's commitment to ongoing environmental protection.

As part of its Responsible Care and Product Stewardship commitment, the solvents industry spends approximately 20 million ECU on research and development each year to enhance solvent product performance and increase safety and environmental protection. And while air quality is improving as progress in emission controls continue to be made, the cost of improvement needs to be balanced with the resulting benefits.

Putting this into practice, many ESIG member companies help customers evaluate air quality plans and find the most cost efficient improvements. For example, ESIG member company BP Chemicals helped the major international ink manufacturer, SunChemical, reduce the cost of an abatement system to halve solvent emissions at its Belgian factory.

SunChemical's priority is to be at the forefront of environmental care and improving air quality is one area of focus. BP's Abatement Advice Datafile, a software package providing guidance in selecting appropriate abatement technology, was used along with SunChemical's knowledge of the process to determine which systems would be most effective.

A suitable abatement system has now been installed which reduces emissions from the stream by 98 per cent - some 150 tonnes per year.

In addition to abatement, solvent producers are keen to help customers recover and reuse solvents where it makes economic and environmental sense to do so. Since 1989 one ESIG member company, BASF, has published technical information on abatement and recovery options for solvent emissions. '*Recovery of organic solvents from off-gas streams*' has been distributed to several thousand customers and other interested groups.

**For more information please contact the ESIG secretariat in Brussels,
Pierre de Kettenis, at +32 676 72 64 or visit www.esig.org**

REPRESENTING THE HYDROCARBON &
OXYGENATED SOLVENT PRODUCERS OF



Avenue E. Van Nieuwenhuysse 4, bte 2
B-1160 Brussels
Tel 32 (0) 2 676 72 64
Fax 32 (0) 2 676 73 01
T.V.A. 538.183.516

Atofina - BASF - Borealis Polymers - BP Chemicals - Celanese Chemie - CEPISA - Clariant
DHC Solvents Chemie - DOMO Caproleuna - Dow Europe - Eni Spa - Ercros Industrial - Ertisa
ExxonMobil Chemical Europe - Fortum Oil & Gas - Galp Energia, Sggs, S.A. - Haltermann Products - Ineos Oxide
Ineos Phenol - Lyondell Chemical Europe - Oxochimie - Oxeno - Perstorp - Petrochem Carless - Polimeri Europa
Rhodia - Sasol Solvents - Sekab - Shell Chemicals - Sodes - Solutia Europe - Total Solvents