



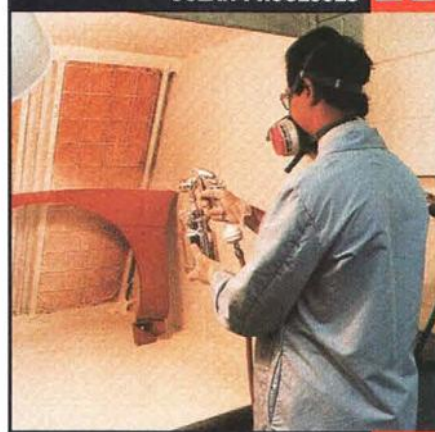
CHIROTECH 15



OSHA NOMINEE JEFFRESS 19



OCEAN PROCESSES 23



PAINTS & COATINGS 34

# CHEMICAL & ENGINEERING NEWS

The newsmagazine of the chemical world

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## NEWS OF THE WEEK

### GREENHOUSE GASES: 9

Clinton's proposal to stabilize U.S. emissions at 1990 levels draws mixed reaction.

### MOLYBDENUM CARBIDE: 9

First compound to contain one-coordinate carbon in metallic environment synthesized, characterized.

### COLLOIDAL GELS: 10

Simple yet sensitive chemical detectors developed by researchers at University of Pittsburgh.

### EARNINGS: 11

Chemical companies post mixed results in third quarter, but remain profitable.

### NEW HEAD OF FBI LAB: 11

Physicist who ran Los Alamos chosen to revamp troubled operations.

### FEDERAL R&D: 12

Three senators back bill to double funding; ACS-led coalition of scientific and engineering societies endorses move.

### INSTITUTE OF MEDICINE: 12

New members are elected, three of whom are chemists.

## BUSINESS

### CHIROTECH: 15

Separate Chiroscience unit is profitable in developing processes based on chiral technology.

### FOREIGN INVESTMENT: 17

U.S. chemical companies are investing more abroad, as are foreign firms in the U.S.

## GOVERNMENT

### OSHA NOMINEE: 19

Charles Jeffress, North Carolina's safety chief, receives approval of Senate labor committee, awaits confirmation of full Senate.

COVER: Photo courtesy of Bayer A.G.

## CONGRESSIONAL UPDATE: 20

Congress moves quickly on trade and FDA overhaul, but slowly on other issues such as product liability.

## SCIENCE/TECHNOLOGY

### OCEAN PROCESSES: 23

Chemists who study the seas are an integral part of Woods Hole Oceanographic Institution.

### SCIENCE INSIGHTS: 32

Most scientists derive great satisfaction from their work, and one way of showing it is to indulge in a bit of whimsy.

## PRODUCT REPORT

### COVER STORY

### PAINTS & COATINGS: 34

Industry seeks to advance auto coatings and auto refinishing for longer life and to adapt to stricter environmental regulations.

## BOOKS

### "TRACES OF THE PAST": 57

A peek into the world of archaeological chemistry reveals chemistry as essential to human cultural evolution.

### MENTORING AS AN ART: 58

Booklet offers timely information and advice to mentors, gives students a realistic perspective.

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