

# Industrial Chemicals

SENSITECH

## Know the Condition of Time and Temperature-Sensitive Materials as They Progress Through the Supply Chain

### Products Face Distribution and Storage Challenges

The integrity of the supply chain for time and temperature-sensitive (TATS) materials in the industrial chemicals market is dependent on a broad range of factors, including:

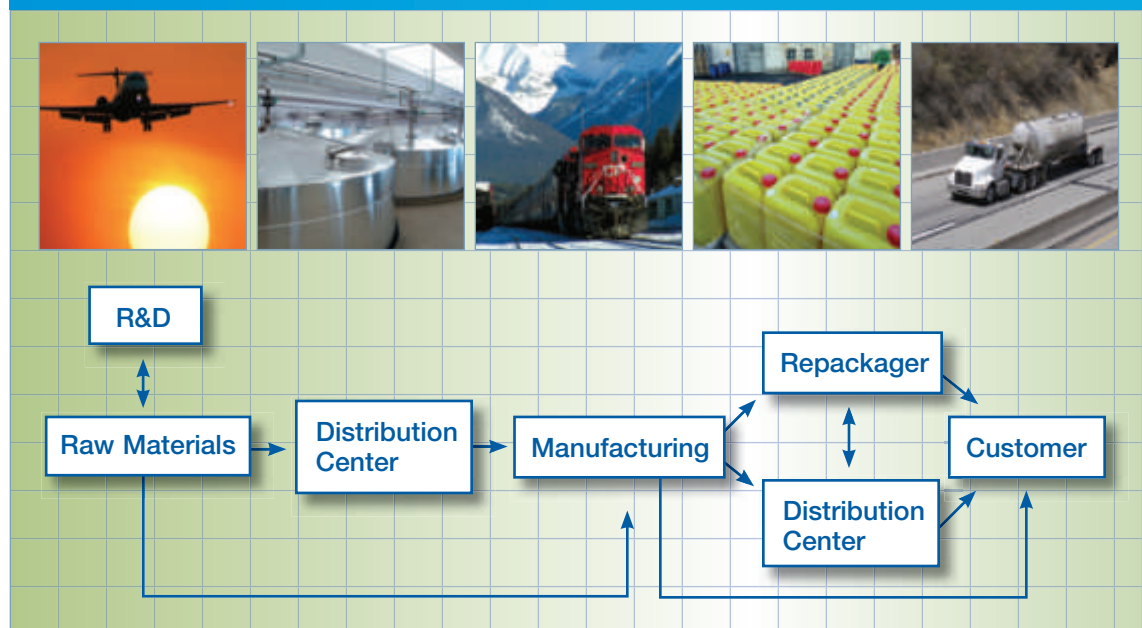
- Transportation mode—air, train, ship, truck
- Physical movements—shock and vibration
- Carrier and container types
- Temperature extremes—sensitivities to cold and heat
  - Weather, season, climate zones, transportation logistics
  - Accidental freezing or melting

### Industrial Chemicals Are Vulnerable to Temperature Abuse

Because of the complex handoffs within the distribution and storage segments, many industrial chemical materials are vulnerable to temperature fluctuations—including TATS products such as:

- Composite materials
- CMP slurries
- Aqueous dispersions
- PTFE powders
- Epoxy molding compounds
- Solder pastes
- Adhesives and sealants

## Supply Chain's Complex System of Handoffs



## Overcome Temperature Abuse with Good Cold Chain Management Practices

Good Cold Chain Management Practices (GCCMP) provide additional emphasis on quality in the industrial chemicals market because they ensure TATS materials have not been temperature abused or experienced product degradation. Ensuring the integrity and full value of your products strengthens customer and partner relationships, as well as enriches your company's brand.

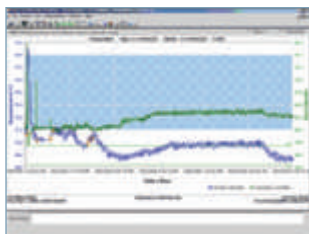
GCCMP also supports your company's internal SOPs and QC/QA processes and enables compliance with current and pending standards and accreditation programs.

### Sensitech Provides Cold Chain Visibility Solutions for TATS Products in the Industrial Chemicals Markets

Sensitech is the global leader in cold chain visibility solutions that allow industrial chemicals manufacturers to have the right product in the right place, at the right time, in the right condition—the integration of monitoring and tracking with an emphasis on driving measurable process improvement.

Sensitech's cold chain visibility solutions include:

- Validated data acquisition instruments for in-transit, in-process and in-storage monitoring
  - TempTale® electronic data loggers (temperature and humidity)
  - Ryan® Strip Chart recorders
  - TagAlert® electronic temperature indicators
  - TempTaleRF® radio frequency identification (RFID) monitors
- Enterprise software applications providing Web-enabled, scalable data management, exception reporting and data analysis
  - Cold Chain Manager™
- Cold Chain Visibility Services to measure critical cold chain points, map and analyze complex distribution chains and enable process improvement
  - Thermal mapping studies
  - Shipping studies



## Who Is Sensitech?

Sensitech is the leading provider of cold chain visibility solutions that enable global leaders in the Industrial Chemicals, Pharmaceuticals and Food industries to track and monitor assets across the supply chain, protecting the integrity of their temperature-sensitive products.

- ISO 9001:2000 registered company
- Global support with worldwide office locations
- Data hosting provided for more than 80 of our top customers
- More than 4,000 customers in the industrial chemicals, food and life science industries
- 3 million trips monitored in 2005 to drive process improvement
- \$250 billion of our customers' assets have been protected for the past 10 years

Sensitech is the world's leading provider of cold chain visibility solutions enabling global leaders in Food and Pharmaceuticals to track and monitor assets across the supply chain, protecting the integrity of their temperature-sensitive products. Sensitech is an ISO 9001:2000 registered company. The company is based in Beverly, Massachusetts, and has offices in Amsterdam, Calgary, Melbourne, Redmond and Santiago with service and distribution offices around the world. For additional information about Sensitech, call 978-927-7033 or visit [www.sensitech.com](http://www.sensitech.com). ©2006. Sensitech Inc. All Rights Reserved. All trademarks and service marks are the property of Sensitech Inc.