



Personal Protective Equipment

Chemical Manufacturing—Are Your Workers Really Protected?

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Workers in chemical manufacturing industries face a variety of on-the-job hazards, including flash fire, sharp edges, punctures and exposure to hazardous chemicals, dust and solvents—to name just a few.

Providing workers with the protection they need for the hazards they face is a major responsibility. DuPont Personal Protection has the in-depth knowledge, unparalleled expertise and broad portfolio of PPE solutions to help keep your workers safe.

DuPont PPE solutions are designed to meet or exceed global standards for protection and performance, including National Fire Protection Association (NFPA), ASTM International, Canadian General Standards Board (CGSB), American National Standards Institute (ANSI), International Organization for Standardization (ISO) and China GB National Standards.

To help you in the decision-making process, from risk assessment through implementation, DuPont recommends using the 4P methodology:



Chemical manufacturing— creating a variety of products means a variety of hazards

There are five main chemical manufacturing subsegments— commodities, agrochemical, pharmaceutical, specialty and consumer. Workers in each of these subsegments manufacture a multitude of different products that are critical to our daily lives.

While doing this critical work, these essential workers are exposed to a variety of hazards ranging from flash fire and hazardous chemicals, dust and solvents to sharp edges and punctures. As a result, health, safety and environment (HSE) managers have many tasks to balance.

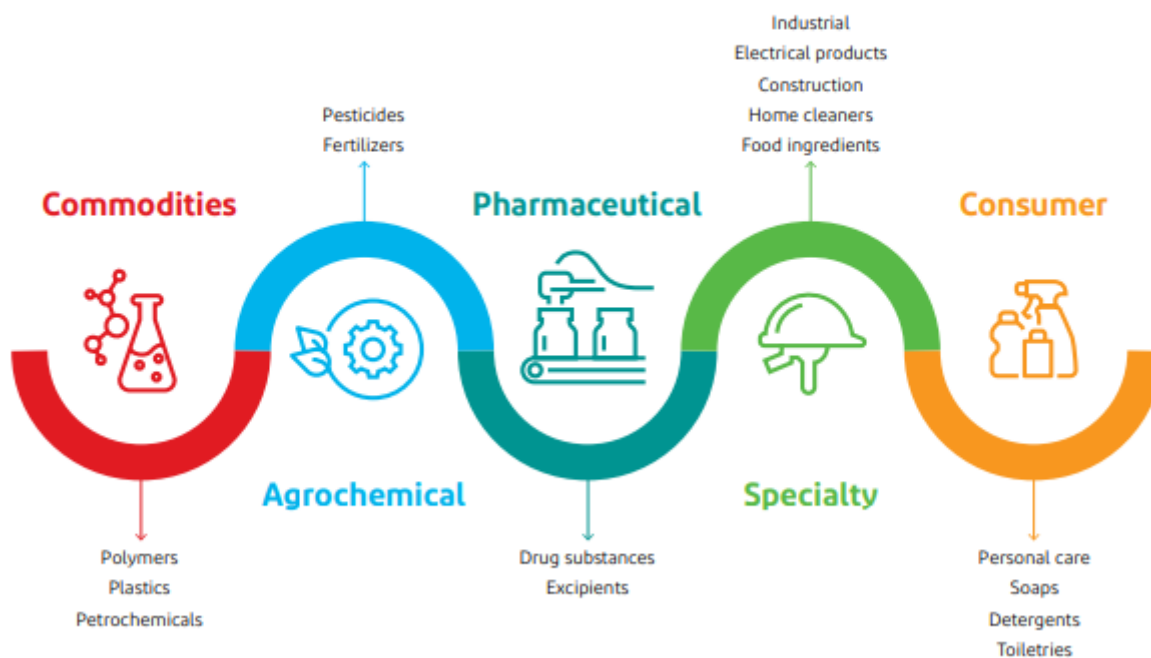
DuPont offers a broad range of comprehensive, one-stop PPE solutions to address these hazards and help simplify the PPE selection process, including: Nomex® garments for flash fire hazards; Tyvek® garments for protection against fine particle hazards and low level liquid splashes; Tychem® garments, gloves and tape for protection against concentrated chemicals; and gloves made with Kevlar® for cut and multi-hazard protection.

DuPont™ **SafeSPECTM**, their powerful web-based tool, has a full permeation test results database for Tychem® fabrics and allows you to search by hazard to help find the right protection. DuPont™ Thermo-Man®, the world's most advanced life-sized thermal burn injury evaluation unit, is used in their technical centers around the world to evaluate the heat and flame resistance that FR garments can deliver in a simulated flash fire.

As an industry leader in chemical manufacturing, DuPont also has a large team of experts around the

globe who are available to work side by side with HSE managers to help them navigate the available PPE solutions for each site based on the specific hazards workers face.

Chemical subsegments



Learn more about PPE for different applications on DuPont's website.

Browse [MSCDirect.com](https://www.mscdirect.com) for Dupont's protective and performance solutions that keep industrial workers safe and your operations running smoothly.

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