

# DuPont Personal Protection

## GARMENTS FOR GENERAL INDUSTRIAL AND CHEMICAL HAZARDS

### PRODUCT LINE BY HAZARD

When it comes to addressing a broad range of hazards in the workplace, specifiers have many product options from which to select. The process to understand which option matches a given situation can be confusing and taxing. DuPont Personal Protection has tried to reduce some of that burden by providing a complete line of products and information to help guide specifiers through the selection process.

To get the most out of your PPE, it is necessary to understand where the products are intended to be used. DuPont™ SafeSPEC™ is a sophisticated computer database that provides products, based on user inputs around exposure type, exposure level, and related

PPE requirements. Our database includes hundreds of chemicals, including warfare agents and the ASTM F1001 standard list of challenge chemicals. This tool can be accessed on our website at [www.personalprotection.dupont.com](http://www.personalprotection.dupont.com).



To provide a quicker overview of our products and where they are best suited for use, we developed this simple guide below. Our goal was to match the level of protection and value for a given exposure hazard.

**DuPont™ Tyvek® and General Protection Products**

Typical General Industrial Hazards	Non-hazardous								Hazardous											
	Non-Hazardous Particles			Aerosol	Light Liquid Splash				Dust										Aerosol	
examples brands	General Dirt and Grime	Animal Waste	Sanding and Grinding Waste	Spray Paints	Oil and Grease	Lubricants	Fertilizer	Sewage	Fertilizer	Pesticides	Asbestos	Lead	Chromium	Beryllium	Mold	Fiberglass	Nano Particles	Carbon	Radioactive Particles	Isocyanate
Tyvek®	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ProShield® NexGen®	○	○	○	●	●	●	●	●												
ProShield®	●	●	●																	
NuFab®					○	○	○	○											●	
Tempro®	○	○	○	○																

● Generally Preferred      ○ Acceptable for Use

It is the user's responsibility to determine the nature and level of hazard and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact the garment manufacturer for specific data. These garments are intended for limited use and should be disposed of after single use. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

**WARNINGS:**

- 1) Tyvek®, NexGen®, NuFab® and ProShield® garments are not flame-resistant and should not be used around heat, flame, sparks or in potentially flammable or explosive environments.
- 2) Garments made of Tyvek®, NexGen®, NuFab®, ProShield® and Tempro® should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping may occur.
- 3) Tempro® garments are flame retardant treated, not inherently flame resistant, and are intended to be worn OVER flame resistant protective apparel.



The miracles of science™

## DuPont™ Tychem® Chemical Protection Products

Typical Chemical Hazards	Hazardous Dry Powders and Solids	Bloodborne Pathogens and Biohazards	Light Chemical Splash and Aerosols	Moderate Liquid Chemical Splash	Liquid Organic Chemicals and Potential Flash Fire Exposure	Heavy Liquid Chemical Splash (toxics and corrosives)	ChemBio and WMD Agents	Chemical Vapors and Gases (toxics and corrosives)
examples brands	Dry Pharma Chemicals	Blood, Saliva, Human Excrement	Inorganic Acids and Bases, Salts	Organics, Solvents	Meth-amphetamines	Known Carcinogens	Sarin, Mustard, VX Nerve Agent	Chlorine, Anhydrous Ammonia
Tychem® SP			●					
Tychem® Polycoat	●		●					
Tychem® QC	●	●	●					
Tychem® CPF1	●	●	●					
Tychem® SL	●	●	●					
Tychem® CPF2	●	●	●					
Tychem® F		●	○	●			●	
Tychem® CPF3		●	○	●			●	
Tychem® CPF4		○	○	●			○	
Tychem® BR		○	○	●			●	
Tychem® LV		○	○	●			●	
Tychem® Responder®		○	○	●		●	●	●
Tychem® CSM		○	○	○		●	●	●
Tychem® TK		○	○	●		●	●	●
Tychem® NFPA 1991						●	●	●
Tychem® NFPA 1994 Class 2						●	●	●
Tychem® ThermoPro				●	●		●	
Tychem® Reflector®						●	●	●

- Generally Preferred
- Acceptable for Use

DuPont™ Tychem® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Only Tychem® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro garments should not knowingly enter an explosive environment. Garments made of Tychem® fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

## DuPont Personal Protection

### Customer Service:

Canada 1-800-387-9326

Mexico (52) 55 57 22 1222

United States 1-800-931-3456

[www.PersonalProtection.DuPont.com](http://www.PersonalProtection.DuPont.com)



*The miracles of science™*

**Product safety information is available upon request.** This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own determinations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user's responsibility to determine the level of risk and the proper protective equipment needed for the user's particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any trademark or patent right.

Copyright © 2007 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™, Tyvek®, NexGen®, NuFab®, ProShield®, Responder®, Reflector®, SafeSPEC™, and TempoPro® are registered trademarks or trademarks of E. I. du Pont de Nemours and Company or its affiliates. All rights reserved.

K-16646 (04/07) Printed in the U.S.A.