



T-CHEM 1

TORANT® CHEMICAL RESISTANT, WATERPROOF/ BREATHABLE FABRIC

T-Chem 1 General Information

Liquid chemical splash protection. These garments offer liquid splash, protection against a wide range of chemicals including many common use acids and bases, aqueous solutions, polymers, and organic solvents, being waterproof it also offers excellent foul weather protection exclusive of chemical exposure. The garments should be used only for those situations where vapour protection is not needed or where vapour exposure is determined to be acceptable by an industrial safety professional.

Breathable. The suit allows perspiration to evaporate through the chemical barrier to the outside. This reduces the build up of heat and sweat inside the suit thereby reducing potential heat stress and allowing the wearer to continue their task in comfort.

Whole garment integrity. Glanda chemical splash suits are seam sealed and sewn with high quality components. These components ensure there are no weak points in the garment construction. The garments have been carefully designed for maximum chemical run off

Washable, reusable and durable. Machine washable enabling the initial investment in the garment to be dispersed over time. Dry Cleanable using perchlorethylene process

WARNING

The Chemical Splash Protective garment does not provide protection for all chemicals or conditions. These garments should only be worn in conditions that have specifically identified as appropriate by people trained in the relevant hazard. It is the user's responsibility to determine the suitability and fitness for use. Consult a trained professional in industrial safety when determining fitness for use. These suits are not suitable for protection against liquid escaping from pressurised systems.

Chemical Penetration Data

Chemical	Test Result
Acetone (100%)	>60
Ethyl Acetate	>60
Sodium Hydroxide	>60
Sulphuric acid (98%)	>60
Tetrahydrofuran	>60
Dimethylformamide	>30
Nitrobenzene	>60

Sizes Available XSM-4XL

Please contact us to discuss any chemical splash requirements.





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Chemical Protection as per ASTM F903 method C

CHEMICAL	CONCENTRATION	PROTECTION (min)
Ammonium Hydroxide	29.5%	> 60
Ammonium Phosphate	saturated	> 60
Calcium Hydroxide	30.0%	> 60
Fluoboric Acid	48 (v/v)	> 60
Hydrochloric Acid	37.3%	> 60
Hydrogen Peroxide	90.0%	> 60
Ntric Acid	90.0%	30
Oleum (fuming sulfuric)	108.0%	30
Phosphoric Acid	85.0%	> 60
Potassium Hydroxide	45.0%	> 60
Sodium Hydroxide	50.0%	> 60
Sodium Hypochlorite	20.0%	> 60
Sulfuric Acid	98.0%	> 60
Toluene	100.0%	> 60
Acetonitrile	99.0%	> 60
Formaldehyde	37.0%	> 60
Kerosene	NEAT	> 60
Ethanolamine	99.0%	> 60
Peracetic Acid	35.0%	> 60
Sodium Chlorate	saturated	> 60
Sodium Chorite	saturated	> 60
Sodium Hydrosulfide	saturated	> 60
Sodium Persulfate	saturated	> 60
Hydrofluoric Acid	48.0%	> 60

