



CHEMICAL

INDUSTRY-SPECIFIC PROTECTION SOLUTIONS

QUICK REFERENCE GUIDE

Ansell

OUR LATEST INNOVATIONS

Microflex® 93-260

Chemical resistant disposable glove

Key Features & Benefits:

- Three layer design for superior protection against harsh chemicals including acids, solvents and bases
- Thin mil construction provides enhanced tactility and dexterity
- Extra soft material and ergonomic design for outstanding fit, feel and flexibility for longer wear time
- Silicone free

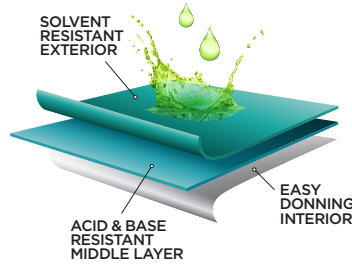
Performance Ratings:



Sizes: XS – XXL

Applications:

- Blending, compounding materials
- Handling unexpected leaks, spills or other releases
- Maintenance and equipment clean up
- Petrochemicals processing
- Transferring liquid & solids



Innovative 3-Layer Design



HyFlex® 58-735

Light-Duty / Cut Resistant with a Palm Dip-coating

Applications:

- Assembling and mounting components
- Cleaning of plant and machines
- Filling, blending and charging of raw materials
- Handling application & cleaning tools
- Handling metal sheets & panels
- Handling parts with sharp, rough edges
- Mixing or loading chemicals
- Removal of broken glassware
- Sample taking and processing
- Spill or leakage cleanup

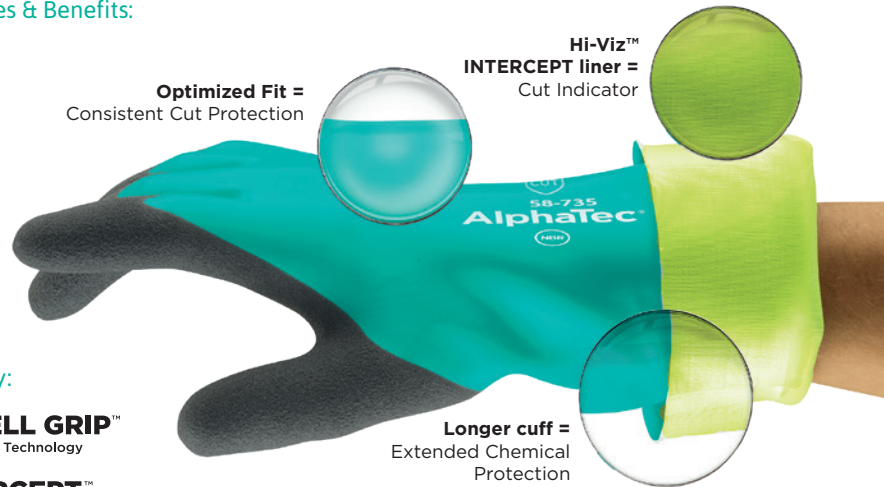
Performance Ratings:



Key Features & Benefits:

Optimized Fit = Consistent Cut Protection

Hi-Viz™ INTERCEPT liner = Cut Indicator



Technology:



Sizes: 6 – 11

Microchem® by AlphaTec® 68-5000

High-visibility Hazmat Suit

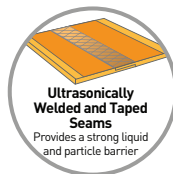
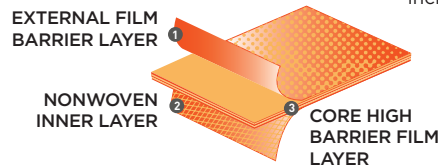
Applications:

- Industrial and tank cleaning
- Sewage purification installations
- Chemicals
- Oil and petrochemicals
- Pharmaceuticals
- Mining
- Agriculture
- HAZMAT Emergency Response (i.e. Level B)
- First response and fire service

Performance Ratings:



Sizes: S - 5XL



Key Features & Benefits:

Protection
Permeation tested against over 190 chemicals, including chemical warfare agents

Designed to protect
Typical coverall features dual-zip systems and double cuffs

Anti-static
Tested according to EN 1149-5 and AATCC 76

Comfort
Textile-like inner improves wearability

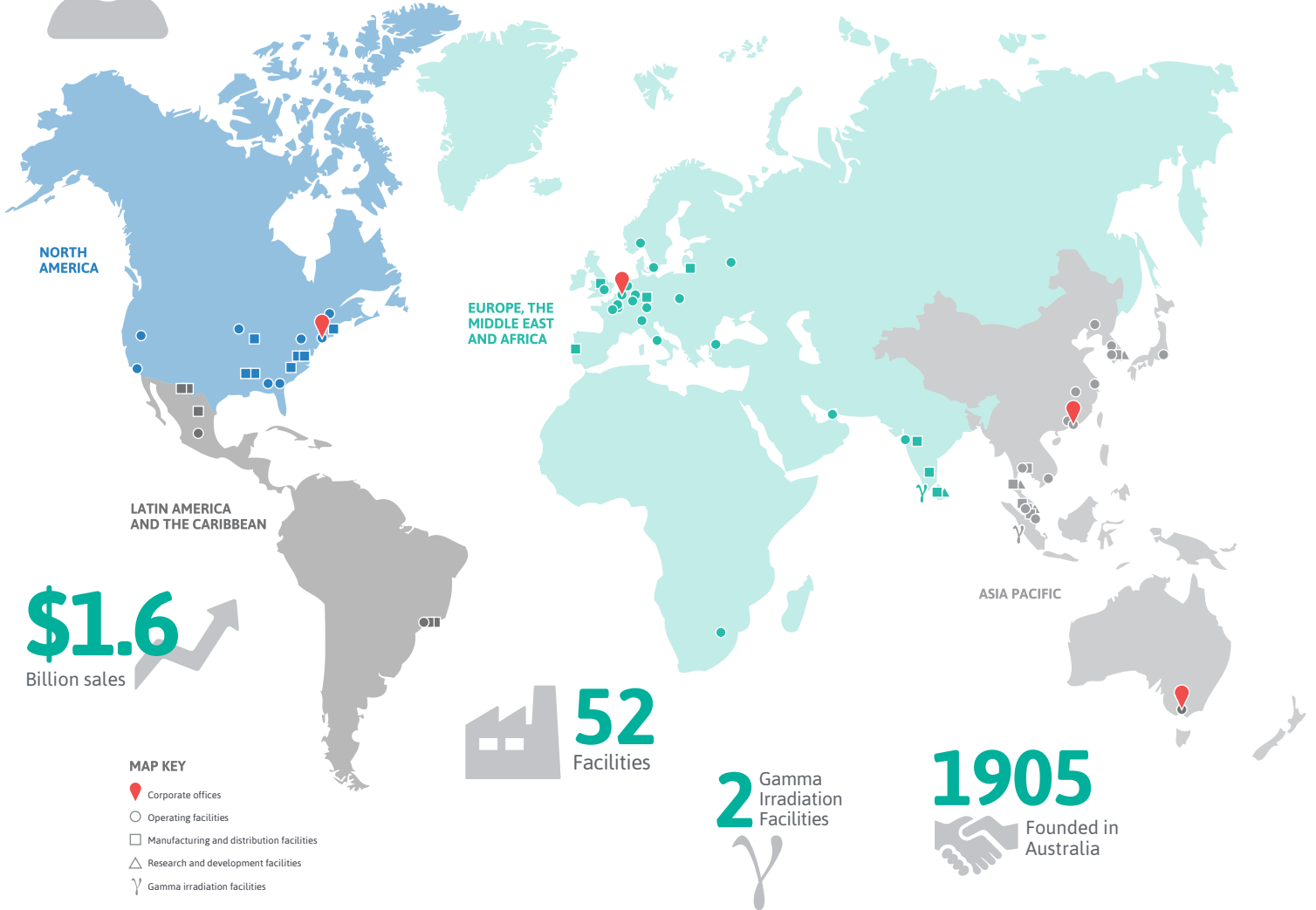
Larger sizing
in shoulders and seat prevents tears



GLOBAL SALES, PRODUCTS AND SUPPLY CHAIN INFRASTRUCTURE

 **14,000**
Employees

200 
R&D employees worldwide
in 6 R&D Innovation Centers



DEDICATED TO SAFETY

Ansell has been protecting workers for over 100 years. We have specialized teams across 10 industries dedicated to developing solutions for the hazards and applications that workers face every day.

Ansell is dedicated to safety: We provide a comprehensive range of gloves and body protection solutions to cover worker needs across the chemical industry.

ANSELL CHEMICAL INDUSTRY PROCESSES

1 WAREHOUSING



Applications:

- Warehousing of raw materials
- Loading and unloading trucks and vehicles
- Handling incoming goods

User needs:

- Dexterity
- Abrasion protection
- Chemical resistance and grip

2 PREPARATION OF MATERIALS



Applications:

- Filling, blending and charging of raw materials
- Transferring liquids and solids
- Opening and draining pumps, valves or lines

User needs:

- Chemical resistance
- Abrasion protection
- Dexterity and grip



AlphaTec® 58-128

Benefits & Features:

- ANSELL GRIP™ technology
- Enhanced dexterity for handling small parts
- Ergonomic design helps reduce hand fatigue



AlphaTec® 58-335

Benefits & Features:

- Comfortable and dry hands for longer wear
- Foldable cuff reduces chemical drip on the forearm



HyFlex® 11-840

Benefits & Features:

- High abrasion resistance
- Form-fitting liner matches contours of hand
- Good combination of protection and comfort



AlphaTec® 38-514

Benefits & Features:

- Comfortable fit for precision work
- Maximum protection against chemicals such as aldehydes and ketones



AlphaTec® 66-667

Benefits & Features:

- Gore® Polyester, reusable for maximum comfort and productivity
- Breathable liquid chemical splash protection
- Certified to NFPA1992-Liquid Splash-Protective Clothing for Hazardous Materials Emergencies



Microchem® by AlphaTec® 68-3000

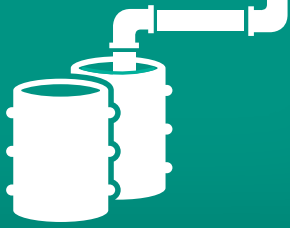
Benefits & Features:

- Lightweight material
- Durable multilayer fabric for effective barrier
- Dual zip and double-cuff systems



3

PRODUCTION & PROCESSING



4

PRODUCT SHIPPING



Applications:

- Loading and unloading process equipment
- Transferring liquids and solids between vessels and tanks and process equipment
- Supervision of running operation

User needs:

- Chemical and liquid resistance
- Grip
- Anti-static

Applications:

- Handling outgoing goods: cans, vessels, bulkpack and cartons
- Loading trucks & vehicles
- Product shipping, transport and delivery

User needs:

- Abrasion protection
- Dexterity
- Chemical resistance and grip



AlphaTec® 58-735

Benefits & Features:

- Nitrile barrier for advanced chemical protection
- INTERCEPT™ Cut Resistance Technology
- ANSELL GRIP™ technology



Microflex® 93-260

Benefits & Features:

- Nitrile & neoprene for broad chemical resistance
- 3 Layer design for protection against harsh chemicals
- Extended cuff, 12" length



ChemTek™ 38-612

Benefits & Features:

- Added protection against aggressive chemicals
- Ergonomic design and excellent dexterity



HyFlex® 11-937

Benefits & Features:

- High comfort with superior cut protection
- ANSELL GRIP™ Technology
- RIPEL™ Liquid Repellence Technology



MicroChem® by AlphaTec® 68-4000

Benefits & Features:

- Permeation tested against over 190 chemicals
- Textile-like inner improves comfort
- Dual zip and double-cuff systems



AlphaTec® FR 66-677

Benefits & Features:

- Gore® breathable material for comfort
- Nomex® fabric for chemical, heat and flame resistance and arc protection



5 : LAB AND R&D



Applications:

- Testing
- Charging and blending raw materials
- Maintenance

User needs:

- Chemical resistance
- Dexterity
- Flexibility and grip

6 : REPAIR & MAINTENANCE



Applications:

- Opening furnaces, draining pumps, valves or lines and crackers BTX process
- Cleaning furnaces, distallations, pumps, valves or lines and crackers BTX process

User needs:

- Grip and dexterity
- Chemical and liquid resistance
- Cut and abrasion protection



Microflex® Supreno® SE SU-690

Benefits & Features:

- Durable and comfortable nitrile
- Non-stick properties resist tapes and adhesives
- Textured fingers for secure grip



ActivArm® 80-813

Benefits & Features:

- Protects from arc flash hazards
- Flame resistant and high cut protection
- Flame resistant, even after washing



Microchem® by AlphaTec® 68-2300

Benefits & Features:

- Entry-level suit for chemical barrier and protection from blood borne pathogens
- Lightweight, yet strong and durable



Microflex® 93-850

Benefits & Features:

- 2X more durable than leading brands*
- Improved grip
- 2X chemical splash protection than leading brands**



Scorpio® 19-024

Benefits & Features:

- Reduces thermal burn hazard
- Wide range chemical protection



ActivArm® 97-120

Benefits & Features:

- Impact protection for increased safety
- Enhanced wet and oil grip reducing hand fatigue
- Increased visibility for hand signaling



7 SHEET METAL WORKSHOP



8 EMERGENCY RESPONSE



Applications:

- Hot metalwork
- Painting
- Lock smith

User needs:

- Dexterity and flexibility
- Flammability protection
- Contact heat

Applications:

- Unexpected leakages, spills or other releases

User needs:

- Chemical and liquid resistance
- Tear resistance
- Flammability



HyFlex® 11-727

Benefits & Features:

- INTERCEPT™ Cut Resistance Technology
- Handling sharp objects
- Breathable liner



Barrier™ 02-100

Benefits & Features:

- Extremely resistant against a wide range of chemicals
- Hand-specific ergonomic design



HyFlex® 11-210

Benefits & Features:

- INTERCEPT™ Cut Resistance Technology
- Soft & cool feel
- Best-in-class cut protection



ChemTek™ 38-612

Benefits & Features:

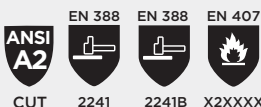
- Butyl and Viton for max chemical protection
- Two-layer design for extra protection
- Silicone and Latex Free



Crusader® Flex 42-474

Benefits & Features:

- Enhanced protection from contact heat and molten splash



Microchem® by AlphaTec™ 68-6000

Benefits & Features:

- Level A gas-tight suit
- Wide field of vision



CHEMICAL GLOVE SELECTION. SIMPLIFIED.

ANSELL GUARDIAN® **SIMPLIFIES** the chemical glove selection process for your unique set of chemicals.

Ansell Guardian evaluates the resistance of glove materials with specified chemicals, to offer a personalized glove assessment with expected permeation times.

Benefits: Enhanced chemical protection, performance and compliance.

PERSONALIZED CHEMICAL GLOVE **RECOMMENDATION** EVERY TIME

HOW DOES ANSELL GUARDIAN WORK?

MATERIAL SAFETY DATA SHEET (MSDS)

CAS	CHEMICAL NAME	%
100-21-0	TEREPHTHALIC ACID	100
108-31-6	MALEIC ANHYDRIDE	100
100-82-7	CYCLOHEXANE	100



ASSESSMENT



Takes the Material Safety Data Sheet (MSDS) information to provide correct glove selection to protect workers from harmful chemicals.

- ✓ **Solution for both single and chemical mixes**
- ✓ **Offers both disposable and chemical glove recommendation**
- ✓ **Commercial and technical documentation**

FOR MORE INFORMATION, CONTACT YOUR ANSELL REPRESENTATIVE OR VISIT WWW.ANSELL.COM

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DISCLAIMER: Recommendations made in this note are based on extrapolations from laboratory test results and information regarding the composition of chemicals and may not adequately represent specific conditions of end use. Synergistic effects of mixing chemicals have not been accounted for. For these reasons, and because Ansell has no detailed knowledge of or control over the conditions of end use, any recommendation must be advisory only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

* Based on Ansell durability pull test data, when compared to performance of disposable nitrile gloves of similar thickness.

** Based on EN 374 and ASTM F739 chemical permeation test data, when compared to performance of disposable nitrile gloves of a similar weight.

WARNING: No glove provides complete protection against cuts, abrasions or chemicals. Users should test the suitability of Ansell products for a particular purpose, for use within a particular environment or against particular chemicals. See <http://www.ansell.com/en/Legal/Disclaimer.aspx> for additional information.

WARNING: Natural Rubber Latex may cause allergic reactions in sensitive individuals.

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