

Protective Eyewear - Z87.1



Chemical Resistant Gloves



Glove Category Selection Key

Label Code	Materials Required by Law	Material Code
A	1,2,3,4,5,6,7,8	1: Laminate
B	1,2	2: Butyl
C	1,2,3,4,7,8	3: Nitrile
D	1,2	4: Neoprene
E	1,3,4,8	5: Natural
F	1,2,3,8	6: Polyethylene
G	1,8	7: PVC
H	1,8	8: Viton

All but Laminate and Polyethylene must be 14 mils or thicker

SHOREKLEAR-PLUS®

AQUATIC HERBICIDE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

CAUTION Harmful if swallowed. Causes moderate eye irritation.

Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Long sleeved shirt
Long pants
Socks plus shoes
NO protective eyewear
NO chemical resistant gloves

GRASS, WEED AND VEGETATION HERBICIDE (KILLER)

ACTIVE INGREDIENT:

Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt.....18.00%
OTHER INGREDIENTS:.....82.00%
TOTAL.....100.00%

Additional surfactants are not required for this formulation.

KEEP OUT OF
REACH OF CHILDREN

CAUTION

SEE INSIDE FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure,
Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (800) 654-6911

18% CONCENTRATE CONTAINS GLYPHOSATE

SUPPRESS®

HERBICIDE EC

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Active Ingredients:

Caprylic Acid..... 47%

Capric Acid..... 32%

Other Ingredients..... 21%

Total..... 100%

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear:

- Protective eyewear
- Coveralls worn over short-sleeved shirt and short pants
- Shoes plus socks
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items separately from other laundry.

Protective eyewear
Coveralls over long sleeved shirt
and long pants
Socks plus shoes
Chemical resistant gloves –
category and specific glove
materials

Causes substantial but temporary eye injury





Clipper[®] HERBICIDE



For the management of undesirable aquatic vegetation in slow moving or quiescent waters

Active Ingredient	By Wt.
*Flumioxazin	51%
Other Ingredients	49%
Total	100%
*2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoin-dole-1,3(2H)-dione	

Clipper[®] Herbicide is a water dispersible granule containing 51% active ingredient.

EPA Reg. No. 59639-161 EPA Est. 11773-IA-01

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

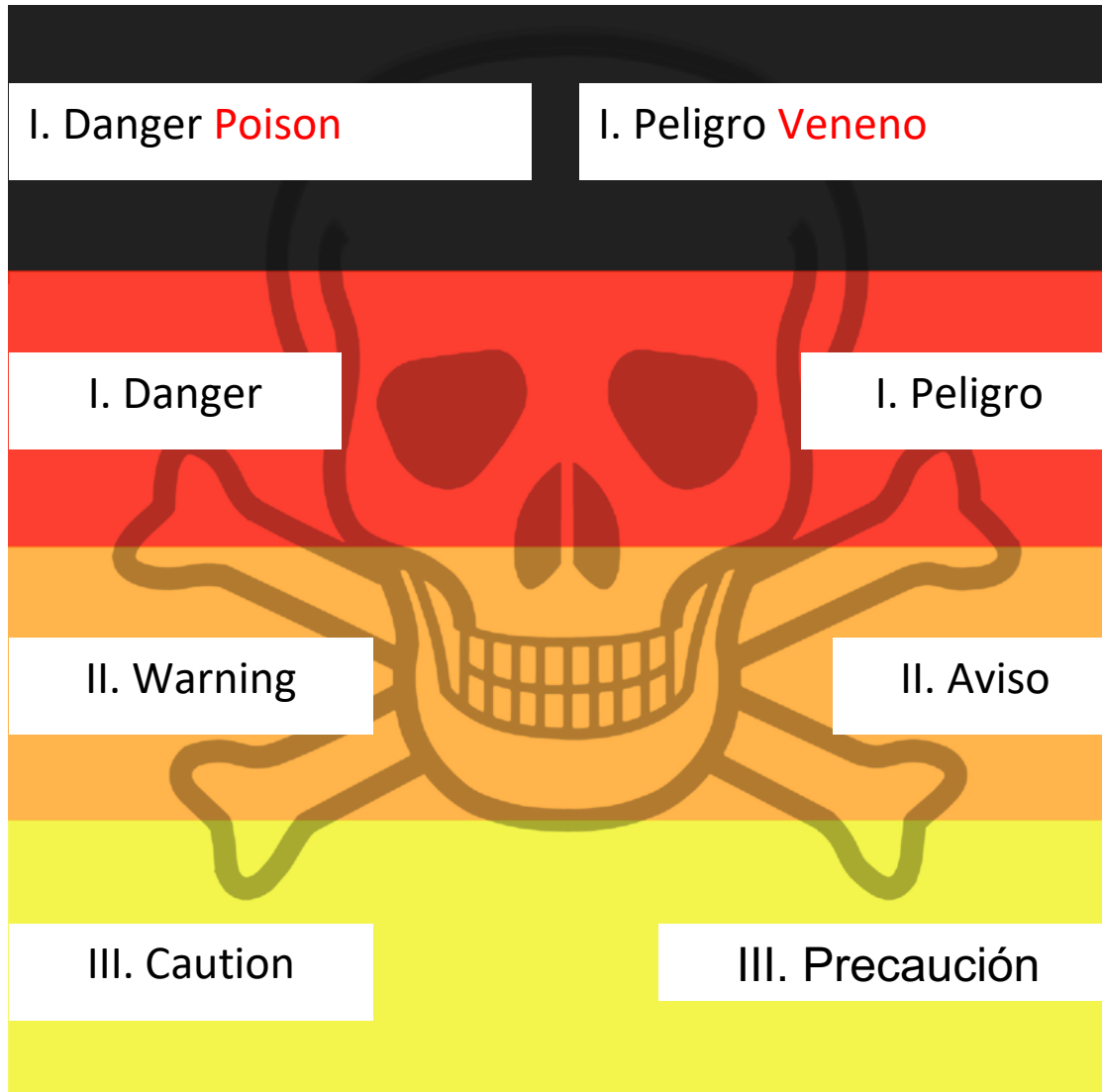
Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes and socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

- Long sleeved shirt**
- Long pants**
- Chemical resistant gloves made of any waterproof material, such as...**
- Shoes**
- Socks**
- NO protective eyewear**

Signal Words



Selection and Use of PPE

- Always follow the pesticide label

AND!

- Always remember that CA requirements are generally more strict than label requirements



GEMPLER'S. Unlined Nitrile Gloves**Combine chemical resistance with excellent dexterity**

100% nitrile gloves provide excellent protection for handling most agricultural chemicals, solvents, acids and caustics. Nitrile resists snags, punctures, abrasions and cuts better than other glove polymers. A nonslip grip makes wet or slippery work easier, while an ergonomic shape enhances fit and comfort. Unlined gloves can be washed and reused and are for use with pesticides whose label refers to Category A, C, E or F on the EPA Chemical Resistance Category Selection Chart.

13", 15-mil Nitrile Gloves

The 13", 15-mil gloves offer increased dexterity that simplifies jobs like working with sprayer nozzles or other small parts. Sold by the pair, in packs of 12 pair or in a convenient wall mount dispenser box with 36 pair. Imported. See price chart below for available sizes: XS (7), S (8), M (9), L (10) or XL (11).

19", 22-mil Unlined Nitrile Gloves

The 19", 22-mil gloves offer added protection to the forearm where chemical splashes may occur. The tapered wrist ensures a comfortable and natural fit. Pairs are individually bagged. Imported. Specify size: L (9) or XL (10).

Type	Quantity	Size	Item No.	Price
13" 15-mil	1 pr.	XS, S, M, L or XL	727G	\$3.00/pr.
13" 15-mil	12 pr./pk.	XS, S, M, L or XL	12778	\$32.90/pk.
13" 15-mil	36 pr./box	S, M, L or XL	10212	\$91.30/box
19" 22-mil	1 pr.	L or XL	4082K	\$10.70/pr.

**13", 15-mil****19", 22-mil**

19" gloves sold in pairs only



19", 22-mil nitrile gloves

PURCHASE 13", 15-MIL GLOVES:

- PAIRS
- DOZEN
- BOX OF 36 PAIR

Customer Favorite!

"I am a state-licensed applicator of herbicides, which I use as a national park volunteer on invasive plants. I consider these gloves essential personal protective equipment."
— Old Fred, Richfield, OH



Each pair individually bagged

Box can be hung on the wall

DISPOSABLE GLOVE LINERS

8½" liners

Fingerless, Disposable Cotton Glove Liners

100% natural, hypoallergenic cotton ribbed knit material allows air to circulate between your hand and the glove, keeping perspiration off your palm for all-day comfort. Unique, fingerless design retains tactile dexterity and reduces bulk inside the outer glove. Acceptable for food processing applications when used as a liner under an approved outer glove. 8½" L ambidextrous glove liners come 100 per box. One size fits all. Imported.

Item No.	1-4	5-11	12+
24825	\$19.95/box	\$19.00/box	\$18.10/box

Full-finger Disposable Cotton Glove Liners

The EPA allows you to wear separable glove liners beneath chemical gloves for up to 10 hours or until contaminated

Wear inside rubber/chemical gloves to absorb perspiration. Cotton liners help to protect hands from dermatitis and other skin irritations. These liners are also excellent as a barrier from the cold when using for cold-weather applications. Sold in dozen pair packs. Available in Men's and Women's size. Imported.

	Item No.	1-11	12-24	25+
Men's	WL6701	\$10.00/doz.	\$9.20/doz.	\$8.50/doz.
Women's	WL6702	\$10.00/doz.	\$9.20/doz.	\$8.50/doz.

NO MORE SWEATY HANDS



7½-8" liners

UNLINED CHEMICAL GLOVES

UNLINED CHEMICAL GLOVES

Value Master™ 12" Rubber Latex Gloves

•For diluted, low-toxicity pesticides
•Used by canneries and food processors

Low-cost, heavy-duty, unlined "canners" type gloves offer excellent dexterity and elasticity. USDA accepted. 18-mil thickness and 12" L. For use with pesticides having labels that refer to **Category A** on the EPA's Chemical Resistance Category Selection Chart. Light yellow color. Dozen pair. Imported. Specify Women's size: S (7), M (8), L (9) or XL (10).

Item No.	1-4	5+
RLG2	\$16.85/doz.	\$15.50/doz.

18-MIL 12" gloves



Ansell 12" Economical Neoprene Gloves

These unlined neoprene gloves offer excellent resistance to a wide range of chemicals, including oils, acids, caustics and solvents. Gloves are case hardened to increase chemical and abrasion resistance and feature a textured finish to improve grip on slippery surfaces. Curved fingers and contoured palm for long-wearing comfort. For use with pesticides that have labels referring to **Category A, C and E** on the EPA's Chemical Resistance Category Selection Chart. Imported. Specify size: S (7), M (8), L (9), XL (10) or 2XL (11).

Item No.	1-11	12+
8159	\$7.50/pr.	\$6.90/pr.

17-MIL 12" gloves



Chloro-Flex™ II 18" Neoprene Gloves

Thick rolled cuff for easy on/off

30-mil, heavyweight unlined neoprene gloves offer excellent protection against agricultural chemicals, oils, acids, resins, alcohols, caustics and other petroleum-based materials. Ideal for applications involving oil spill cleanup and gear assembly. For use with pesticides having labels that refer to **Category A, C and E** on the EPA's Chemical Resistance Category Selection Chart. Imported. Specify size: L (9) XL (10) or 2XL (11).

Item No.	1-11	12+
54273	\$15.80/pr.	\$14.60/pr.

30-MIL 18" gloves



Heavy Natural Rubber Gloves

Unlined natural rubber gloves feature a smooth grip and a rolled cuff to catch drips. Extra-large sizing fits big hands and open cuffs allow for easy on/off. For use with pesticides that have labels referring to **Category A** on the EPA's

Chemical Resistance Category Selection Chart. Imported. Size XL (11) only.

Length	Item No.	1-11	12+
18"	6028	\$15.25/pr.	\$14.10/pr.
24"	6024	\$25.00/pr.	\$23.00/pr.

35-MIL

24" gloves

6024

ELBOW LENGTH IDEAL FOR CLEANING TANKS



40-MIL

18" gloves

6028

Honeywell 11" Butyl Gloves

For certain high-toxicity pesticides, fumigants and anhydrous ammonia
Gloves offer good dexterity and broad-spectrum ag chemical protection. 11" L; unlined; rough finish. For use with pesticides having labels that refer to **Category A, B, C, D or F** on the EPA's Chemical Resistance Category Selection Chart. USA made. Specify size: S (8), M (9), L (10) or XL (11).

Item No.	1-11	12+
14971	\$27.30/pr.	\$24.95/pr.

16-MIL

11" gloves



Ansell Barrier™ 16" Chemical-resistant Multi-hazard Gloves

Five-layer laminated Barrier™ unlined gloves resist permeation and breakthrough to the broadest range of chemicals when the chemical hazard is not clearly identified. Often used as a liner inside leather gloves where mechanical damage is suspected.

2.5-mil; 16" L. For use with pesticides having labels referring to **Categories A, B, C, D, E, F, G, or H** on the EPA's Chemical Resistant Category Selection Chart. USA made. Size Large only.

Item No.	Price
182013	\$8.80/pr.

2.5-MIL

16" gloves



Honeywell 13" unlined nitrile gloves offer improved touch sensitivity

Nitrile offers stronger wear resistance to cuts, snags and abrasions than other elastomers, resulting in dependable, long-lasting protection. These gloves also resist common solvents, oils and acids. Its flexible curved hand design improves dexterity and provides a natural fit. Suggested uses include food processing, chemical processing, parts cleaning and automotive assembly. USDA accepted for food handling.

13" L with 10-mil thickness. Imported. Specify size: 8, 9, 10 or 11.


Item No.	1-9	10+
11966	\$2.10/pr.	\$1.95/pr.

10-MIL

13" gloves



Put Your Knowledge to the Test


 **University of California**
Agriculture and Natural Resources | Integrated Pest Management Program

RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATE

Knock 'em down 3SL
Herbicide By Toxik™
A weed, grass, and harvest aid desiccant/
diflufentherbicide.

Active Ingredients:
Paraquat dichloride
Itrachloro(sopphaloritrile)43.2%
Other Ingredients:.....56.8%
Total:.....100.00%

Water Soluble Liquid
Contains: 30 pounds paraquat dichloride per gallon as 4.14 pounds of dichloride salt per gallon. Contains emetic and stomach irritant and dye.
EPA Reg. No. 000-000 EPA Est. 000-XX-000
SDP USMA 1.1 0411 34132
Net Contents 2.5 gallons

KEEP OUT OF REACH OF CHILDREN. DANGER/PELIGRO POISON/VENENO 

FIRST AID
Contains Paraquat, a Bipyridylium Herbicide
If swallowed:
• Call a poison control center or doctor IMMEDIATELY for treatment advice.
• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an absorbent such as activated charcoal, bentonite, or Fuller's Earth.
• Have person sip a glass of water if able to swallow.
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
If inhaled:
• Move person to fresh air.
• The odor of this product is from the stanching agent, which has been added, not from the paraquat.
• If person is not breathing, call 911 for an ambulance.
• Call a poison control center or doctor for further treatment advice.
If in eyes:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.
If on skin or clothing:
• Take off contaminated clothing.
• IMMEDIATELY wash with soap and water and rinse for 15-20 minutes. Prolonged contact with irritant skin may result in poisoning.
• GET MEDICAL ATTENTION. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN:
Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller's Earth (1.5% solution, 1 liter for adults or 15mL/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefits. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of later-onset corneal abrasion, it is advised that patients with paraquat eye injuries be examined by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat; however, contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-000-0000.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER/PELIGRO POISON/VENENO
May be fatal if swallowed. Fatal if inhaled. Corrosive. Causes irreversible eye damage. Wear protective eyewear. Do not breathe spray mist. Wear a dust/mist respirator. Do not get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.
IMPORTANT: Inhalation is an unlikely route of exposure due to low vapor pressure and large spray droplets. Avoid aerosolization or nose bleed. See the MSDS for more information.
Personal Protective Equipment (PPE) Applicators and other handlers (other than Mixers and Loaders) must wear:
• Long-sleeve shirt and long pants
• Shoes plus socks
• Protective eyewear
• Chemical-resistant gloves - Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton®)
• A dust/mist NIOSH-approved respirator with any N, R, P, or HE filter. The respirator should have a NIOSH approval number prefix TC-84A.
Mixers and Loaders must wear:
• Long-sleeve shirt and long pants
• Shoes plus socks
• A dust/mist NIOSH-approved respirator with any N, R, P, or HE filter. The respirator should have a NIOSH approval number prefix TC-84A.
• Chemical-resistant gloves - Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton®)
• Chemical-resistant apron
• Face shield

KEEP OUT OF REACH OF CHILDREN. DANGER/PELIGRO POISON/VENENO 

Personal Protective Equipment (PPE) Applicators and other handlers (other than Mixers and Loaders) must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical-resistant gloves – Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton®)
- A dust/mist NIOSH-approved respirator with any N, R, P, or HE filter. The respirator should have a NIOSH approval number prefix TC-84A.

Put Your Knowledge to the Test



Is that all he needs?

**KEEP OUT OF REACH
OF CHILDREN.
DANGER/PELIGRO
POISON/VENENO** 

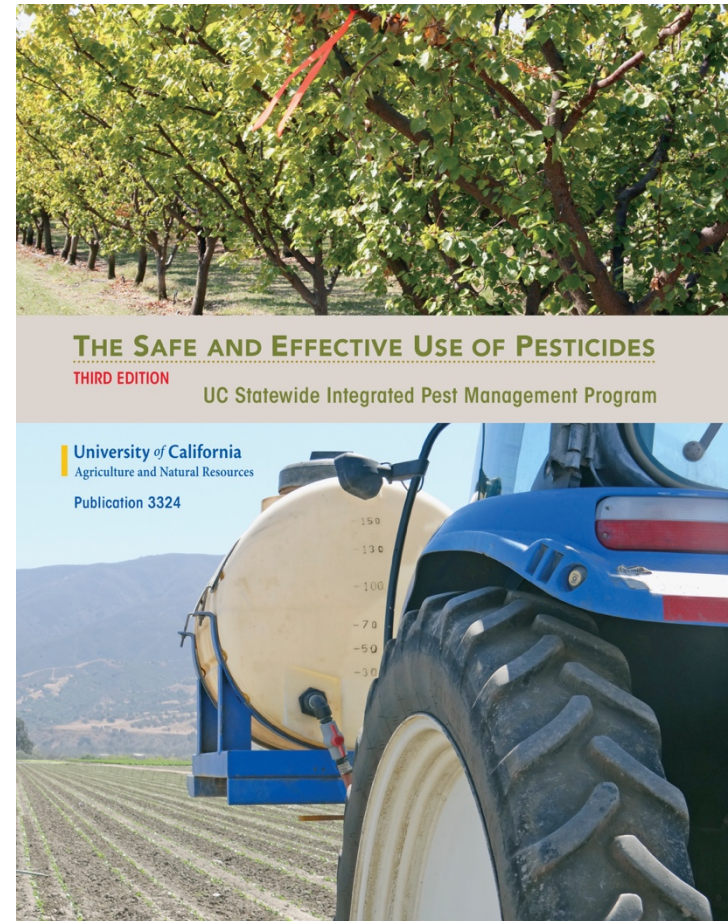
Personal Protective Equipment (PPE) Applicators and other handlers (other than Mixers and Loaders) must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical-resistant gloves – Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton®)
- A dust/mist NIOSH-approved respirator with any N, R, P, or HE filter. The respirator should have a NIOSH approval number prefix TC-84A.

Resources for You



<http://ipm.ucanr.edu>



<http://anrcatalog.ucanr.edu/>

Take-Home Messages

- Wear protective eyewear and chemical resistant gloves for all handling activities
- Check manufacturers' specifications for thickness, uses, lining type, etc.
- Wear coveralls when handling DANGER and WARNING pesticides



Questions?

Lisa Blecker

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