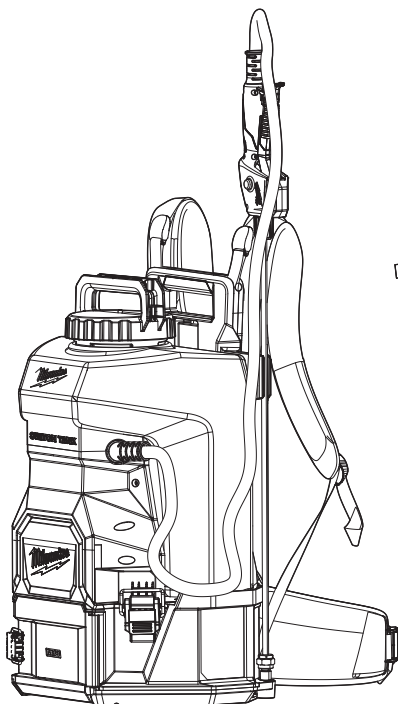
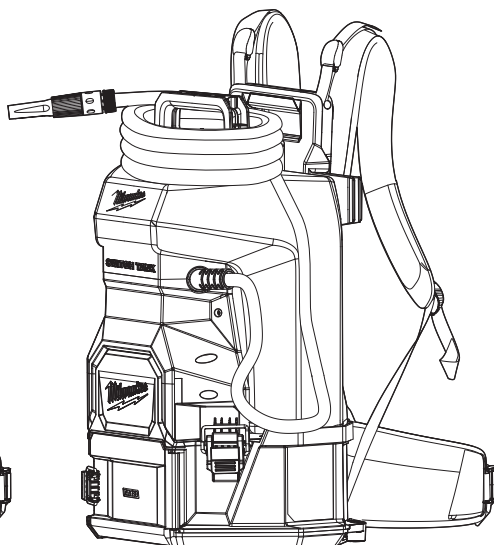




OPERATOR'S MANUAL



M18 BPFPG2PS



M18 BPFPG2WS

Cat. No.

M18 BPFPG2PS, M18 BPFPG2WS, 491619PS, 491619WS

**M18™ SWITCH TANK™ 15 LITRE BACKPACK CHEMICAL
SPRAYER AND WATER SUPPLY**



WARNING

 To reduce the risk of injury, user must read and understand operator's manual.

GENERAL POWER TOOL SAFETY WARNINGS

⚠WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of a RCD reduces the risk of electric shock.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
 - **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
 - **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
 - **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
 - **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- ### **BATTERY TOOL USE AND CARE**
- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- Remove gloves before handling battery packs. Chemicals are harmful to plastics.
- Maintain your power tool. Thoroughly inspect inside and outside and examine all components before each use. Check for cracked and deteriorated hoses, leaks, clogged nozzles, and missing or damaged parts. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance, storing, or draining the tool. Never disassemble the tool, battery pack or charger. Contact a MILWAUKEE® service facility for ALL repairs.
- Do not eat or smoke while handling or operating the tool. After use, wash with hot, soapy water to help reduce the risk of health hazards due to exposure to chemicals.
- Always use common sense and be cautious when using tools. It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this tool if you do not understand these operating instructions or you feel the work is beyond your capability; contact MILWAUKEE® Tool or a trained professional for additional information or training.
- Do not use the battery compartment for storage.
- Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a replacement.

SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.

SPECIFIC SAFETY RULES FOR BACKPACK SPRAYER

- **⚠ WARNING** Risk of fire or explosion. Do not spray flammable liquids such as gasoline. Do not use tool around spark, flame, or smoke. Chemical may ignite.
- Use the correct tank for your application. These products are suitable for pesticide applications (such as insecticides, fungicides, or herbicides, fertilisers) and water supply applications, when used in accordance with these instructions and those applicable to the chemicals.
- Do not use bleach, caustic (alkali) self-heating or corrosive (acidic) liquids in this sprayer. Do not pour hot or boiling liquids into the tank. These can corrode metal parts or weaken the tank and hose.
- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Do not place or store tool where it can fall or be pulled into a tub or sink. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.
- Electric shock hazard. Never spray toward electrical outlets.
- Spray area must be well ventilated to avoid hazardous fumes build-up.
- Avoid spraying on windy days. Spray can be blown onto people, plants, or objects that should not be sprayed.
- Do not store chemicals in the tank. Chemicals can degrade seals and hoses. Drain and clean after each use.

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

- When transporting and handling sprayers always secure the sprayer during transportation to prevent loss, damage or injury.

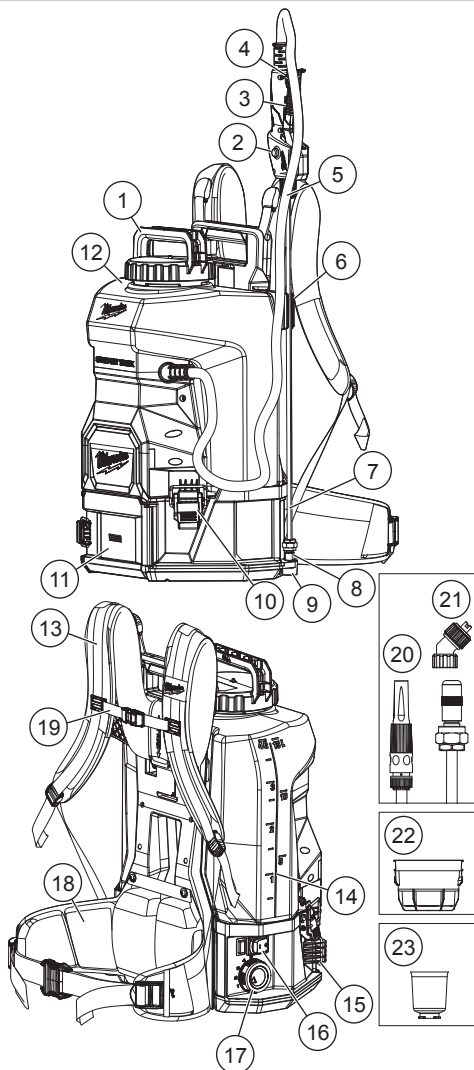
SAVE THESE INSTRUCTIONS

ADDITIONAL BATTERY SAFETY RULES

⚠ WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

⚠ WARNING Do not charge non-rechargeable batteries.

FUNCTIONAL DESCRIPTION



1. Tank lid/handle/top wand storage
2. Trigger lock-on
3. Trigger handle
4. Trigger lock-off
5. Hose
6. Side wand storage
7. Sprayer wand
8. Adjustable nozzle
9. Nozzle holder
10. Tank buckle (2)
11. Battery compartment
12. Tank
13. Shoulder straps
14. Litre markings
15. Battery compartment buckle
16. On/Off switch and Power LED
17. Flow rate dial
18. Waist strap
19. Chest strap
20. Water nozzle
21. Adjustable nozzle for chemical sprayer
22. Strainer
23. Measuring cup

SYMBOLGY



Volts



Direct Current



Read operator's manual



Wear eye protection.



Wear gloves.



Wear dust mask.



Wear protective clothing.



Do not spray flammable liquids.



Regulatory Compliance mark (RCM). This product meets applicable regulatory requirements.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

SPECIFICATIONS

Cat. No.	M18 BPFPG2PS, M18 BPFPG2WS
Volts.....	18 V DC
Battery Type.....	M18™
Charger Type	M18™
Tank Capacity.....	15 L
Flow Rate	
M18 BPFPG2WS.....	0.49 - 4.77 L/min
M18 BPFPG2PS.....	0.38 - 2.27 L/min
Full Weight (with M18B5 battery).....	23.5 kg
Recommended Ambient Operating Temperature.....	-17°C to 51°C
Tank Only (Water).....	Cat. No. 491619WS
Tank Only (Pesticide).....	Cat. No. 491619PS
For use with	Pesticides, Selective Herbicides, Non-Selective Herbicides, Insecticides, Fungicides, Fertilisers

ASSEMBLY

⚠ WARNING Recharge only with the charger specified for the battery. For specific charging instructions, read the operator's manual supplied with your charger and battery.

Inserting/ Removing the Battery

To insert the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

To remove the battery, push in the release buttons and pull the battery pack away from the tool.

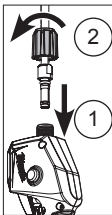
⚠ WARNING Always remove battery pack before changing or removing accessories.

⚠ WARNING Only use accessories specifically recommended for this tool. Others may be hazardous.

Connecting the Spray Wand to the Trigger Handle

(Cat. No. 491619PS)

1. **WARNING** Remove battery to avoid starting the tool.
2. Insert the spray wand into the trigger handle (1) until firmly seated.
3. Slide the nut onto the threaded coupling and hand tighten securely (2).
4. Pull on the spray wand to be certain it is properly secured.
5. Place the assembled trigger handle and wand into one of the wand storage locations.



Connecting the Nozzles

(Cat. No. 491619PS)

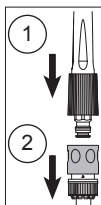
Select and screw on nozzle by job type. When using the adjustable nozzle, adjust spray pattern as desired by tightening/loosening the nozzle.

Connecting Water Supply or Water Nozzle

(Cat. No. 491619WS)

To attach water supply hose to the tool or nozzle, push the quick connect fitting and tool/nozzle together (1). Pull on the connection to be certain it is properly secured.

To remove, pull the collar back to release (2). When using the nozzle, adjust spray pattern as desired by tightening/loosening the nozzle.



Filling the Tank

WARNING Before filling the tank, remove the tank from the base.

Ensure battery door is closed and latched whenever chemicals are present.

Mix chemicals per manufacturer's instructions. Failure to follow instructions may cause harsh chemicals to injure user or damage tool.

A removable strainer prevents debris that can clog or damage the pump from entering the tank. Label tank contents accordingly during each use. Only put recommended liquids in tank.

Only use water in water supply tank.

1. **WARNING** Remove battery to avoid starting the tool.
2. Ensure the battery door is closed securely.
3. Remove the tank from the base and set on a level surface away from the base to prevent exposing the base to harsh chemicals.
4. Unscrew and remove the tank cap; ensure strainer is in place.
5. Fill the tank (up to 15 litres; do not overfill). Use the litre markings on the side of the tank as a guide.
6. Reinstall the tank cap.
7. Reinstall the tank.



Installing the Tank

1. **WARNING** Remove battery to avoid starting the tool.
2. Ensure the battery door is closed securely.
3. Slide tank hooks into base and seat tank into tank reservoir in the base.
4. Secure tank to base with front tank latches; ensuring the tank is level, firmly seated, and all seals are aligned.

WARNING When filled, the sprayer will be heavy, take care when putting on the backpack to avoid strain.

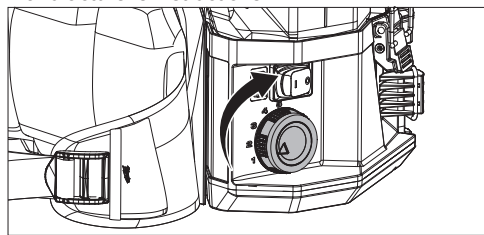
Putting on the Backpack

1. Ensure tank is securely attached to base with front buckles, tank lid is installed, and battery compartment door is latched.
2. Pick up the backpack by one of the shoulder straps, slide your arms through each shoulder strap.
3. With the sprayer on your back, tighten the shoulder and waist straps until they fit snugly and securely, high on your back. Connect chest strap.
4. Be sure the shoulder, chest, and waist straps are tight but comfortable; if they are too loose, the sprayer may slide around on your back, making it uncomfortable to wear.
5. Be aware tank contents may shift during use and movement, such as twisting or bending over.

OPERATION

Adjusting the Flow Rate

Select the desired flow rate from Low (1) to High (5), depending on the job and the chemical manufacturer's instructions.



Flow Rate	M18 BPFPG2PS (Stream Nozzle)	M18 BPFPG2WS (Open Flow)
1	0.38 L/min	0.49 L/min
2	0.76 L/min	1.14 L/min
3	1.21 L/min	1.97 L/min
4	1.70 L/min	2.92 L/min
5	2.27 L/min	4.77 L/min

WARNING To reduce the risk of injury, always wear personal protective equipment (PPE) according to the chemical manufacturer's instructions. Always wear eye protection.

Always ensure battery compartment latch is securely closed before use.

Ensure trigger handle lock-on is not engaged before turning ON tool.

Turning the Sprayer ON/OFF

1. Install the battery pack. Close and latch the battery compartment.
2. To turn the sprayer **ON**, press the ON/OFF switch to "I". The power LED will light green.
3. To **start** the flow of liquid at the spray wand, pull the trigger.
4. To **stop** the flow of liquid at the spray wand, release the trigger.
5. To turn the sprayer **OFF**, press the ON/OFF switch to "O".

NOTE: Be aware some spray material may remain inside the spray wand and drip out.

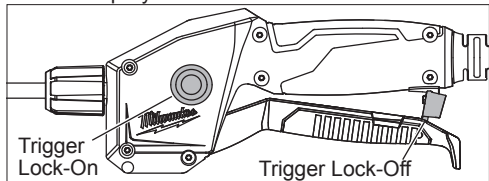
To **drain**, turn off the tool, then pull the trigger and point the tool down until dripping stops.

Trigger Lock-On

Use trigger lock-on when spraying for an extended period of time or when covering a large area.

1. To lock-on, pull the trigger and push in the lock-on button.
2. To release the lock-on, pull the trigger and release the trigger.

NOTE: Ensure the trigger is not locked on before turning the sprayer off to avoid accidental spraying when the sprayer is restarted.



Trigger Lock-Off

To avoid accidental spraying, lock-off the trigger.

1. Hook the lock-off tab onto the hook under the trigger.
2. To release, push the tab back into the trigger.

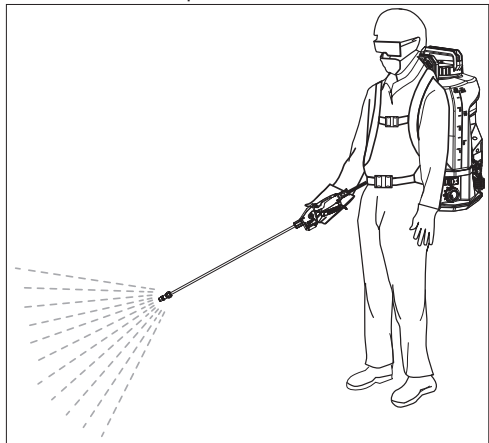
APPLICATIONS

WARNING Before using any chemicals and/or solutions, read and follow all original manufacturer instructions. Read all Safety Data Sheets (SDS) and container labels provided with the chemical. Chemicals can cause serious bodily injury, property damage, and/or damage the tool. Wear personal protective equipment (PPE) according to the chemical manufacturer's instructions. Always wear eye protection.

Spraying

(Cat. No. 491619PS)

1. Fill the tank and then install onto the base.
2. Put on the backpack and properly adjust the straps.
3. Turn on the tool.
4. Pull the trigger and begin sweeping the nozzle from side to side, coating the desired surface evenly in accordance with chemical manufacturer's instructions.
5. If desired, lock-on the trigger for extended use.
6. When done, release the trigger, turn off the tool, remove the backpack, drain, and clean the tank.



Supplying Water

(Cat. No. 491619WS)

1. Fill the tank with clean water and then install onto the base.
2. Place tool near the job within range of water supply hose.
3. Attach water supply hose with the quick connect fitting. Pull on the connection to be certain it is properly secured.
4. To start water flow, turn on the tool.
5. Monitor water level in tank. When empty, turn off tool, disconnect the hose, and refill tank. Don't run tool when the tank is empty.
6. When done, turn off the tool, disconnect hose, drain, and clean the tank.

MAINTENANCE

WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the battery pack, charger, or tool, except as provided in these instructions. Contact a MILWAUKEE® service facility for all other repairs.

WARNING Keep wand and hose pointed away from people, always angle wand and hose downward and avoid direct contact with skin.

Maintaining Tool

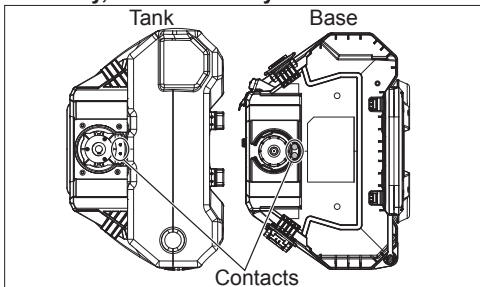
Keep this tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect the tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a MILWAUKEE® service facility for repair. Depending on use, periodically have an authorised service facility inspect and maintain the tool, battery, and charger to ensure proper performance. If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a MILWAUKEE® service facility for repairs.

WARNING To reduce the risk of personal injury and damage, never immerse a tool, battery pack or charger in liquid or allow a liquid to flow inside them. Do not use bleach as a cleaning agent.

Cleaning Electrical Contacts

Keep electrical contact posts between bottom of tank and base clean.

WARNING Remove tool's battery pack to avoid starting the tool before cleaning electrical contacts. Clean contacts with a dry, clean cloth only.



Cleaning

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include petrol, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

⚠WARNING To reduce the risk of injury, always wear personal protective equipment (PPE) according to the chemical manufacturer's instructions. Always wear eye protection.

Draining and Cleaning the Tank, Hose, and Spray Wand

If there is any liquid left in the tank after spraying, the tank should be drained before cleaning. Do not store chemicals in the tank. Tank must be cleaned before using another liquid. Do not mix liquids. Follow the chemical manufacturer's instructions for proper cleaning, storage and/or disposal of excess liquid.

To drain:

1. Ensure the battery door is closed securely.
2. Remove the tank from the base.
3. Empty the tank into a suitable container through the fill area.

⚠WARNING Always wear personal protective equipment (PPE) according to the chemical manufacturer's instructions. Always wear eye protection.

To clean:

1. Ensure the battery door is closed securely.
2. Remove the tank from the base and set on a level surface away from the base to prevent exposing the base to harsh chemicals.
3. Remove the tank and fill it about one-third full with clean water. A small amount of mild household detergent may be added. Replace the cap and gently slosh the water around the tank.
4. Install the tank and spray the water until the tank has been emptied. Make sure to direct the spray toward an area that will not be damaged by residue chemicals in the tank.
5. Repeat the procedure with clean water until the tank is thoroughly clean. Wash outside of nozzles and dry with cloth.
6. Wipe the outside of the tank with a clean, dry cloth.
7. Allow all pieces to completely dry before reinstalling parts and storing the unit. Always reinsert strainer before replacing tank cap.

Storage

Store indoors. Store spray wand securely in wand storage area. Store the sprayer in a secure, well ventilated indoor space with the tank empty.

Repairs

For repairs, return the tool, battery pack and charger to the nearest authorised service centre. Ensure tank contents is emptied prior to returning the tool.

ACCESSORIES

⚠WARNING Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to milwaukeeetool.com.au / milwaukeeetool.co.nz or contact a distributor.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA and NEW ZEALAND

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised **MILWAUKEE®** dealer.

For a list of **MILWAUKEE®** dealers, guarantee or service agents please contact **MILWAUKEE®** Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeeetool.com.au/milwaukeeetool.co.nz.

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