SE200™ C OMMUNITY CHLORINE MAKER

INSTRUCTION BOOKLET

®

MOUNTAIN SAFETY RESEARCH 4000 1st Avenue South

**WARNING**

1. Do not drink

chlorine directly from

the SE200. Dilute

chlorine before

drinking. Failure to

dilute chlorine before

drinking could lead to

dehydration, vomiting,

and sickness.

2. Do not expose

4. Cover is not intended to be

removed. Removing cover will expose sensitive equipment that could be

damaged.

5. Do not put hot

**DANGER**

DANGER: THIS DEVICE PRODUCES CHLORINE, WHICH IS HAZARDOUS TO HUMANS AND ANIMALS. KEEP OUT OF THE REACH OF CHILDREN.

**FAILURE TO HEED THESE DANGERS CAN LEAD TO SERIOUS HEALTH CONSEQUENCES OR INJURIES INCLUDING DEHYDRATION, VOMITING, SICKNESS, AND DEATH.**

**WARNING**

USE ONLY IN WELL-VENTILATED AREAS.

EYE AND SKIN IRRITANT. First aid: 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. If on skin or clothing take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20

® 

**GLOBAL HEALTH**

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For more information contact: www.msrgear.com

www.msrglobalhealth.com

eyes or skin to

chlorine. Exposure to eyes or skin causes burns and i~~rritation.~~

3. Do not submerge in water. Device will be damaged and will stop working.

WATER FILL LINE

**SALT BRINE BOTTLE**

®

SALT FILL LINE

water in salt brine bottle. Doing so can cause burns or

damage bottle.

6. Chlorine can stain clothing and other surfaces.

minutes.

DO NOT USE SEAWATER. The SE200™ Community Chlorine Maker does not make drinkable water from salty or brackish water sources.

CHOOSE THE CLEANEST WATER AVAILABLE. Avoid water sources with known or suspected chemical contamination. The SE200 chlorine maker does not reduce heavy metals or chemical contamination.

WAIT THE FULL APPROPRIATE TREATMENT TIME BEFORE CONSUMING TREATED WATER.

DO NOT ADD MORE WATER TO TREATED WATER: Adding water after this step will dilute the strength of the treatment solution and increase chances of consuming contaminated water.

**FAILURE TO HEED THESE WARNINGS CAN LEAD TO SERIOUS HEALTH CONSEQUENCES INCLUDING DEHYDRATION, VOMITING, SICKNESS, AND DEATH.**

FLIP FOR INSTRUCTIONS SE200 Diagram

Contents Troubleshooting

WATER FILL LINE 

**SALT BRINE BOTTLE**

®

SALT FILL LINE

**CHLORINE**

**BOTTLE**

Use Within 24 Hours

®

START BUTTON

LOW BATTERY LIGHT LOW SALT LIGHT

SALT BRINE

FILL LINE (50mL)

PROBLEM: BLINKING RED LIGHT Low Battery

**CHLORINE IS OK TO USE!**

SOLUTION:

Charge Battery or Check Power

PROBLEM: SOLID RED LIGHT Dead Battery, No Power

SOLUTION:

Discard Chlorine and

Charge Battery or Check Power

SE200

Salt Brine Bottle Chlorine Bottle

**SALT**

**50g**

PROBLEM:

PURPLE LIGHT

AND BEEP

Low Salt

BATTERY CLIPS

SOLUTION #1:

Pour salt brine out of SE200

Add more salt to brine

solution and shake well

Refill SE200 with

new brine solution

PROBLEM: RED

AND PURPLE

LIGHTS BLINK

System Reset

E

SALT FILL LIN

®

**E**

**TTLE**

Chlorine

Dosing Spoon Test Strips The SE200 requires a power source to operate. Use with:

(a) 12-volt battery

(b) standard outlet

(c) car’s 12-volt power port

Battery Clip Cable Salt Packet Dosing Cup

**2** Power

**STILL LOW SALT?**

SOLUTION #2: Clean with

vinegar by adding vinegar to

reservoir and swirling around

and Press Start **3**

VINEGAR

SOLUTION:

Disconnect the device. Pour out salt brine. Wait 5 minutes. Refill with brine

E

ATER FILL LINW

**IN**

**R**

**LT B**

**O**

**B**

**SA**

**1** Make Salt Brine

3. Replace cover

1. 2. TABLE

Fill SE200 with Salt Brine 1. Fill with salt brine to fill line

**4** Make Chlorine

SALT

\*

FRESH WATER

(a)

S

**B**

**SA**

**L**

-OR-

Measure to 50mL on dosing

W

cup then add to SE200

A

T

E

**CHLORINE**

**BOTTLE**

Use Within 24 Hours

®

Pour into Chlorine

4. Shake until all salt

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**E**

**T**

**BRI**

Storage Bottle

WATER FILL LINE

**SALT BRINE BOTTLE**

is dissolved

**N**

E

**IN USE**

**E**

OR

2. Press start

Flashing White

**24h**

Use chlorine

within 24 hours

of production.

CHLORINE IS READY!

Solution is 0.8% Chlorine

®

SALT FILL LINE

®

\*Use cleanest water available.  Do not use seawater.

(b) (c)

AC Power Supply Car Adaptor

3. White lights turn on and salt brine will fizz

IF OR

OR

NOT READY! SEE TROUBLE SHOOTING!

Salt brine solution is the only liquid that will produce chlorine in the SE200.

Dose Chlorine into Drinking Water Storage Container **5** 1. Add Chlorine

Test Treated Drinking Water with Chlorine Strips **6**

1. Follow instructions on Chlorine Strip Packaging

**Disconnect From Power When Done Using**

**7**

Determine Whether Water Has Been Treated Appropriately.

1 spoonful to 20L container (1 spoon = 5mL)

-OR

Entire 50mL batch from SE200

**Chlorine Residual Test Strips**

Water Storage Container **5**

Dose Chlorine Into Drinking

= = = =

20L200L

= =

1. Add Chlorine

1 spoonful to

20L container (1 spoon = 5mL)

-OR

Entire 50mL batch from SE200

0 0.3 0.5 1 **Directions:**

**1**

2

5

Water has been appropriately treated.

Water is not safe, re-dose.

2. Fill

3. Mix or Stir

20

20 L

L

20L

20L

20L200L

4. Wait 30

minutes

200L

Tastes Bad

2. Fill

3. Mix or Stir

4. Wait 30

**2**

**3 **

Fill a cup with water 

sample (about 20 ml).

Put the test pad in water and move back and forth **2 times per second**

**for 5 seconds.**

Compa

re the test pad

color to color chart.

Color must be compared within 5 minutes.

Padded end of stick goes in water

20L

(Use new test strip when restesting.)

Test Treated Drinking Water

with Chlorine Strips **6**

1. Follow Instructions on Chlorine Strip Packaging

**Chlorine Residual Test Strips**

0 0.3 0.5 1

20L

ADD

WATER

Test Treated Drinking Water with Chlorine Strips **6**

1. Follow Instructions on Chlorine Strip Packaging

**Directions:** 

2

5

**1**

Fill a cup with water 

sample (about 20 ml).

**2**

**Chlorine Residual Test Strips**

Put the test pad in water

and move back and forth

minutes

**3**

**2 times per second** 

**for 5 seconds.**

Compa

re the test pad

color to color chart.

Color must be compared within 5 minutes.

0 0.3 0.5 1 **Directions:**

**1**

2

5

20

2 L

**2**

**3**

Fill a cup with water sample (about 20 ml). Put the test pad in water 

and move back and forth **2 times per second for 5 seconds.**

20L

20L

20L

0L

200L

**Water can be re-dosed up to 4 times. x4**

Compa 

re the test pad

color to color chart. Color must be compared within 5 minutes.

#34-055