

PAPER 5 TEST

SWIMMING POOL CHEMICALS: TYPES & USES

Your Name _____

CHLORINE IS A MEMBER OF WHICH CHEMICAL FAMILY?

WHAT IS THE PURPOSE OF USING CHLORINE IN A RESIDENTIAL SWIMMING POOL?

WHAT FORMS DOES CHLORINE TAKE? (i.e. liquid, solid etc.)

1. _____

2. _____

3. _____

WHAT OTHER METHOD MAY BE USED TO STERILISE A SWIMMING POOL?

WHAT IS THE MOST COMMONLY USED FORM OF CHLORINE?

HOW IS THIS PRODUCT INTRODUCED INTO THE POOL?

WHAT DISTRIBUTION METHOD IS NOT GENERALLY ADVISABLE?

WHAT IS THE NAME OF THE LIQUID VERSION OF CHLORINE?

NAME TWO TYPES OF STABILISED CHLORINE

1. _____

2. _____

WHAT IS THE AVERAGE YIELD (IN %) OF THE FOLLOWING CHLORINE PRODUCTS?

1. CALCIUM HYPOCHLORIDE _____ %

2. SODIUM HYPOCHLORIDE _____ %

3. DICHLOR _____ %

4. TRICHLOR _____ %

WHAT DOES CYANURIC ACID DO?

WHAT LEVELS OF CYANURIC ACID ARE RECOMMENDED?

_____ mL/L OR ppm

HOW DO YOU LOWER CYANURIC ACID LEVELS?

WHAT ARE THE USUAL METHODS FOR DETERMINING CHLORINE DEMAND IN A POOL?

WHAT DOES "ORP" STAND FOR?

WHAT DO ORP CONTROLLED DEVICES DO?

DESCRIBE BREAK-POINT CHLORINATION

WHAT IS THE MEANING OF THE TERM RESIDUAL CHLORINE?

WHAT IS THE MEANING OF THE TERM "CHLORAMINES"?

NON-CHLORINE SANITIZERS

Competing nowadays with the traditional hypochlorites and isocyanurates are other products, such as Baquacil. Describe Baquacil and what it does?

DESCRIBE SHOCK TREATMENT: (a.k.a. SHOCK DOSE) IN CHLORINE POOLS

WHY IS IT NECESSARY TO SHOCK DOSE A POOL?

WHAT IS THE RELATIONSHIP BETWEEN HOCL and OCL?

WHAT PART DOES pH PLAY IN THE HOCL/OCL RELATIONSHIP?

HOW DOES A SALINE CHLORINATOR WORK?

WHAT CHEMICALS AND GAS ARE CREATED IN THE ELECTROLISIS OF SALINE WATER?

1. _____
2. _____
3. _____

HOW SALINE IS A "SALT POOL" COMPARED TO THE OCEAN?

_____ SALT _____ OCEAN

WHAT ARE THE RECOMMENDED FILTERING TIME FOR THE FOLLOWING SEASONS?

1. SPRING _____ HOURS
2. SUMMER _____ HOURS
3. AUTUMN _____ HOURS
4. WINTER _____ HOURS

DESCRIBE WHAT ALGICIDES ARE?

WHAT TYPES OF ALGAECIDES ARE THERE?

1. _____

2. _____

WHAT ALGAECIDE DOSE RATE IS RECOMMENDED FOR A 40KL POOL?

SPRING DOSE _____ WEEKLY DOSE _____ HEAVY DOSE _____ WINTER _____

ACID AND ALKALINE CHEMICALS

WHAT ARE ACIDS USED FOR IN A SWIMMING POOL?

WHAT ARE ALKALI CHEMICALS USED FOR IN A SWIMMING POOL?

DANGEROUS CHEMICALS

DESCRIBE THE SAFETY PRECAUTIONS NECESSARY WHEN STORING CHEMICALS

WHAT IS THE pH OF VARIOUS POOL CHEMICALS

1. Sodium Hydroxide (Caustic Soda)

Alkaline
pH _____

2. Sodium Carbonate (Soda Ash)

pH _____

3. Sodium Hypochlorite (Liquid Pool Chlorine)

pH _____

4. Calcium Hypochlorite

pH _____

5. Sodium Bicarbonate (Dry Alkali)

pH _____

6. Sodium Dichlor

pH _____

7. Sodium Trichlor

pH _____

8. Dry Acid (Sodium Bisulphate)

pH _____

9. Hydrochloric Acid

pH _____
Acid

IS THE EFFECTIVENESS OF FREE CHLORINE CHANGED WHEN CYANURIC ACID IS PRESENT?

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