

### QUASAR

#### DISINFECTANT FOR SWIMMING POOLS AND PROCESS WATER Medical-Surgical Device Reg. at the Ministry of Health n° 20121

##### **PROPERTIES:**

DISINFECTANT AGENT FOR CHLORINATION OF POOL WATER, DRINKING WATER, INDUSTRIAL AND WASTEWATER ADDED WITH ANTI PRECIPITATING AND ACTIVATING AGENTS CAPABLE OF PREVENTING THE UNWANTED EFFECTS OF CALCIUM AND MAGNESIUM SALT PRECIPITATION AS WELL AS OF ACTIVATING THE BIOCIDAL AND DISINFECTING PROPERTIES OF HYPOCHLOROUS ACID.

##### **USE AND DOSAGE:**

###### **POOLS:**

DOSE THE PRODUCT USING AN APPROPRIATE "FEEDER" OR FEEDING IT DIRECTLY TO THE SKIMMER.

###### **DRINKING WATER:**

DOSE THE PRODUCT USING AN APPROPRIATE "FEEDER" (DDS EVOLUTION/PLUS OR DDS 3000) OR PREDILUTE IT IN 5% SOLUTIONS AND DOSE USING AN APPROPRIATE METERING PUMP.

###### **WASTE AND INDUSTRIAL WATER:**

DOSE THE PRODUCT USING AN APPROPRIATE "FEEDER" OR PREDILUTE IT IN 5% SOLUTIONS AND DOSE USING AN APPROPRIATE METERING PUMP.

**1 GRAM OF PRODUCT IN 1 CUBIC METRE OF WATER WILL INCREASE CHLORINE CONTENT OF 0.7 ppm.**

##### **PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	WHITE TABLETS OR GRANULES
ODOR	CHLORINE
SOLUBILITY IN WATER AT 25°C	180 g/l
pH (1% solution) AT 25°C	10.4-10.8

##### **CONTROLS:**

THE PRODUCT CAN BE QUANTIFIED AND CHECKED THROUGH PDP REAGENTS.

##### **WARNINGS AND HAZARDS IDENTIFICATION:**

THE PRODUCT IS: **CORROSIVE, COMBURENT, DANGEROUS FOR THE ENVIROMENT**

HAZARD STATEMENTS:

H272 MAY INTENSIFY FIRE; OXIDISER.

H302 HARMFUL IF SWALLOWED.

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

H400 VERY TOXIC TO AQUATIC LIFE.

PRECAUTIONARY STATEMENTS:

P102 KEEP OUT OF REACH OF CHILDREN.

P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P301+P312 IF SWALLOWED: CALL A POISON CENTER IF YOU FEEL UNWELL.

P304+P340 IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

P405 STORE LOCKED UP.

P501 DISPOSE OF THE PRODUCT IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL / INTERNATIONAL REGULATIONS.

SPECIAL PROVISIONS:

EUH031 CONTACT WITH ACIDS LIBERATES TOXIC GAS.

EUH206 WARNING! DO NOT USE TOGETHER WITH OTHER

PRODUCTS. MAY RELEASE DANGEROUS GASES (CHLORINE).

##### **EXPOSURE CONTROLS/ PERSONAL PROTECTION**

RESPIRATOR: FACE MASK COMPLETE WITH POWDER AND CHLORINE FILTER

HAND PROTECTION: RUBBER GLOVES

EYE PROTECTION: TOTAL SAFETY GOGGLES

CLOTHING: PROTECTIVE CLOTHING, BOOTS

ADDITIONAL MEASURES: EYE WASH BOTTLES

TLV LIMITS: 1 mg/m<sup>3</sup> TWA; 2 mg/m<sup>3</sup> STEL

##### **HANDLING AND STORAGE**

HANDLE WEARING RUBBER GLOVES AND SAFETY GOGGLES.

STORE AT ROOM-TEMPERATURE AND PROTECTED AGAINST DIRECT SUNLIGHT.

KEEP AWAY FROM COMBUSTIBLE SUBSTANCES.

AVOID CONTACT WITH ORGANIC MATTER.

##### **FIRST-AID MEASURES**

SKIN: REMOVE ANY CONTAMINATED CLOTHING IMMEDIATELY AND WASH THE AFFECTED AREAS WITH COPIOUS AMOUNTS OF FLOWING WATER.

EYE: WASH EYES WITH FLOWING WATER IMMEDIATELY, GENTLY PRIZING OPEN EYELIDS TO ENSURE EFFICIENT WASHING.  
IF NECESSARY, ASK FOR A SPECIALIST'S EXAMINATION.

INGESTION: WASH OUT MOUTH WITH COPIOUS AMOUNTS OF WATER AND DRINK A LOT OF WATER.  
SEEK MEDICAL HELP AS SOON AS POSSIBLE.

INHALATION OF POWDERS OR VAPORS: REMOVE THE PERSON TO AN UNCONTAMINATED AREA; IF THE PERSON'S BREATHE IS IRREGULAR OR INTERRUPTED, PRACTICE ARTIFICIAL RESPIRATION.  
GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

##### **COMPOSITION:**

AVAILABLE ACTIVE CHLORINE 70 %  
ADDITIVES AND INHIBITORS MAX 1%

##### **PACKAGING:**

25 KG BUCKET

##### **TRANSPORT INFORMATION:**

TRANSPORT BY ROAD: UN 3487 HYDRATED CALCIUM HYPOCHLORITE, CORROSIVE OR HYDRATED MIXTURE OF CALCIUM HYPOCHLORITE, CORROSIVE, 5.1 II ADR.

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