

Aqua Care Active

1 Product and company identification:

- . **Brandname:** Aqua Care Active
- . **Manufacturer / Supplier:** MA Chemical, Faisalabad
- . **Emergency Information:** 0333-9144802 – 0300-9659305

2 Composition / Information on ingredients:

- . **Chemical characterization**
- . **Description:** mixture in water of non-dangerous ingredients and the substances listed below

. Hazardous ingredients:

Hydrogen peroxide	15 – 30%
Acetic acid	5 – 15%
Peracetic acid	5 – 15%

3 Hazards identification

- . **Classification:**
 - C Corrosive
 - O Oxidising
- . **Risk phrases:**
 - R7 may cause fire
 - R34 Causes burns.
 - R37 Irritation to respiratory system.
- . **Classification system**
The Classification complies with current EC regulations on dangerous substances and preparations.

4 First aid measures

- . **General:** Remove contaminated clothing immediately.
- . **Inhalation:** Remove from source of exposure. Obtain medical attention if symptoms develop. In case of unconsciousness bring patient into stable side position for transport.
- . **Skin contact:** Wash skin immediately and thoroughly with water. Remove contaminated clothing. Obtain medical attention if symptoms develop.
- . **Eye contact:** Wash immediately with copious amounts of water and obtain medical attention.
- . **Ingestion:** Remove material from mouth. Drink 1 or 2 glasses of water (or milk) and obtain medical attention without delay.

5 Fire fighting measures.

- . **Suitable extinguishing media:** CO₂, Extinguishing powder or water jet, Fighter larger fires with water jet or alcohol-resistant foam.
- . **Protective equipment:** No special measure required.
- . **Additional information:** Cool endangered containers with water spray jet.

6 Accidental release measures

- . **Protection of personnel:** Wear suitable protective clothing, gloves and eye / face protection
- . **Environmental precautions:** Dilute with plenty of water.
- . **Method of disposal:** Absorb onto dry sand or similar inert material.
Dispose off the collected material according to the regulations.

7 Handling and storage

. Handling

Information for safe handling: Ensure good ventilation / exhaust at the workplace.

Information about protection against explosions and fire:

. Storage:

Requirements for storage rooms and containers: According to local legislation.

Further information about storage conditions: Keep container tightly sealed. Protect from heat and direct sunlight.

8 Exposure controls and personal protection

Component with limit values that require monitoring at workplace:

Hydrogen peroxide (15-30%)

(Great Britain): Short-term value: 2.8 mg/m^3 , 2ppm

Long-term value: 1.4 mg/m^3 , 1ppm

Acetic acid (5-15%)

(Great Britain): Short-term value: 37 mg/m^3 , 15ppm

Long-term value: 37 mg/m^3 , 10ppm

ILV

. Additional information:

The lists that wear valid during the compilation wear used as basis

. Personal protective equipment:

. General protective and hygienic measures:

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

. Breathing equipment: Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.

. Protection of hands: Chemical-resistant protective gloves made of butyl or nitrile rubber (EN 374, category III).

In consultation with the supplier of protective gloves a different type of similar quality may be chosen.

. Eye protection: Tightly fitting safety glasses.

9 Physical and chemical properties:

. Appearance: Uncolored clear liquid

. Odour: Characteristic

. Change in condition

Melting point / Melting range: Not determined

Boiling point / Boiling range: Not determined

. Flash point: $> 61^\circ\text{C}$ (Method: Pensky M. cc)

. Spontaneous combustion: Product is not self-igniting

. Danger of explosion: Product is not explosive.

. Density at 20°C : 1.11 g/cc

. Solubility in / Miscibility with water: Fully miscible

. pH-value: pH: ≤ 2.0

10 Stability and reactivity

- . **Thermal decomposition / Conditions to be avoided:** To avoid thermal decomposition do not overheat.
- . **Dangerous reactions:** Keep away from impurities, decomposition catalysts, alkali, reducing agents and flammable substances.
- . **Hazardous decomposition product:** Oxygen

11 Toxicological information

- . **Acute toxicity:**
LD 50(oral):
Based on the toxicological classification the LD50 (oral) is estimated to be 200-2000 mg/kg. This value is of no practical significance due to the corrosive nature of the product.
- . **Primary irritant effect:**
 - . **On the skin:** Causes burns.
 - . **On the eye:** Cause severe or permanent damage.
 - . **ingestion:** Causes burns, ingestion will head to a strong caustic effect on the mouth and throat and to the danger of perforation of esophagus and stomach.
 - . **Inhalation:** Severe irritant, may cause pulmonary oedema.
- . **Additional toxicological information:**
- . **EC classification:** Corrosive
Irritant

12 Ecological information

- . **General notes:**
Must not reach sewage water or drainage ditch undiluted or neutralized.
When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal considerations

- . **Product:**
- . **Recommendation:** Must not be disposed off together with domestic waste. Do not allow undiluted product to reach sewage system.
- . **European waste catalogue:** 16 9 03 : for example hydrogen peroxide
- . **Uncleaned packaging:1**
- . **Recommendation:** Dispose off observing official regulations.
- . **Recommended cleaning agent:** Water: if necessary with cleaning agent.