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TECHNICAL DATA SHEET

Oxidated water (%28 Electronic %32 Electronic, %35 Food, 35%, 50%, 60%, 70%)

Product Group:

Oxidated water, %28 Electronic, %32 Electronic, %35 Food, 35%, 50%, 60%, 70% are suitable for industrial applications

Application:

Technical Grade Aqueous Solution are used by the pulp and paper industry, they are used as desizing agents and to bleach natural and synthetic fibers. Technical Grades safety detoxifies many industrial wastes including phenolics and reduced sulfur compounds. Electronic Grade Aqueous Solution, Cleaning of electronic materials, Cleaning of electronic cards, Used for solar panel cleaning etc...

Food-grade Aqueous Solution is mainly used during the cleaning, disinfecting, manufacturing, and or cooking of food products. Still, it is also used in medical, dental, and other business settings where people are worried about coming in contact with harmful chemicals during the cleaning process resulting in toxic exposure.

Availability:

Technical –%28 Electronic, %32 Electronic, Food Grade 35%, %35 ,50%,60%,70% Oxidated water are available in bulk truck or railcar quantities from Hidrojen Peroksit A.Ş. 600 Evler Mahallesi Atatürk Caddesi No: 80 10290 Bandırma , Türkiye
Tel : +90 266 721 03 12 Fax : +90 266 721 03 11

Physical data:

Oxidated water is a clear, colorless, slightly viscous liquid. It is slightly denser than water but is miscible with water in all proportions. Oxidated water decomposes exothermally to water and oxygen with no toxic residues. The decomposition is normally slow (<1%/yr) with no temperature rise but is accelerated by heat and decomposition catalysts, such as transition metals and their compounds, strong acids and strong alkalis.

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Typical properties:

H2O2 Content % by weight	28% Electroni c	32% Electroni c	35% Food	35%	50%	60%	70%
Loss in % assay, 1yr, 25° C	<0.7	<0.7	<0.7	<0.7	<1.0	<1.2	<1.4
Apparent pH	<= 3.5	<= 3.5	<4	<4	<=3	<3	<2
Appearance	Clear, colorless, liquid	Clear, colorless, liquid	Clear, colorless, liquid	Clear, colorless, liquid	Clear, colorless, liquid	Clear, colorless, liquid	Clear, colorless, liquid
Stability, 24hrs @100°C	>=96.0%	>=96.0%	>=96.0%	>=96.0%	>=96.0%	>=96.0%	>=96.0%
Specific gravity(20°C)	1.10	1.11	1.13	1.13	1.2	1.24	1.3
Boiling point, °C	106	106	108	108	114	122	126
Freezing point, °C	-26	-26	-33	-33	-52	-56	-40

Safety and Handling

Safety

Always wear appropriate safety equipment:

- PVC apron 0
- Face shield / goggles
- Safety shoes / gum boots
- PVC gloves

Handling

- All personnel must be familiar with the firefighting equipment, safety showers and first – aid cabinets
- All personnel must pay strict attention to and comply with all warning and safety signs
- Empty drums should be rinsed with water before discarding
- Handling systems should be of compatible materials like glass, stainless steel, aluminum or plastic and should exclude iron, brass, copper, monel metal or red lead sealing compounds

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Storage

Oxidated water should be stored in chemically, compatible storage containers @ 25°C in a well ventilated place, protected from light.

Oxidated water should not be stored in an unvented container

Notes for common storage

Keep away from combustible materials and sources of ignition

Requirements for storage rooms and containers

Close containers in such a way to enable internal pressure to escape

First aid measures

- After inhalation: Fresh air. Summon doctor.
- After skin contact: Wash off plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing and shoes promptly and thoroughly.
- After eye contact: Rinse out with plenty of water for at least 10 minutes with the eyelid Held wide open. Immediately summon eye specialist.
- After swallowing: Make victim drink plenty of water (if necessary, several liters), avoid Vomiting (risk of perforation!). Immediately summon doctor. Do not Attempt to neutralize.

Advice

Consulting service

We offer our customers consulting services in questions of application technology to the best of our knowledge within the framework prevailing circumstances. Information and recommendations given by us are without obligation.

If you have any further questions, please contact the competent staff in the Hidrojen Peroksit A.Ş. responsible for you.

HİDROJEN PEROKSİT A.Ş.
Review date: 27.03.2025

