



HYDRO PA
Peracetic acid based sanitizer

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT

PRODUCT NAME: Hdro PA
GENERAL USE : Acidic sanitizer.

Hazard Rating:

Health: 3
Flammability: 1
Reactivity: 4

4=EXTREME
3=HIGH
2=MODERATE
1=SLIGHT
0=NOT SIGNIFICAN

ARABIAN COMPANY FOR DETERGENT TELEPHONE NUMBER: 03/5221989

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS NO	Wt.%	EC No.	EC Class
Peroxyacetic Acid	79-21-0	15 - 17	201-186-8	O, C, Xn, N; R7-R10-R20/21/22-R35-R50
Hydrogen Peroxide	7722-84-1	15-21	231-765-0	O, C, Xn; R5- R8-R20/22-R35
Acetic Acid	64-19-7	30-38	200-580-7	C; R10-35
water	7732-18-5	20-40	231-791-2	Not classified



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SECTION III - HAZARDS IDENTIFICATION

INGESTION	Causes burns to mouth, throat and stomach.
EYE CONTACT	Corrosive to eyes
SKIN CONTACT	Corrosive to skin
INHALATION	Severely irritating to the respiratory system. Deliberately forming and breathing aerosols may

SECTION IV - FIRST AID INFORMATION

INGESTION	Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce Vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.
EYE CONTACT	Immediately flush with water for at least 15 minutes,. Get medical attention immediately.
SKIN CONTACT	Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.
INHALATION	Remove to fresh air. If breathing difficulty or discomfort occurs and persists Get medical attention.

SECTION V - FIRE FIGHTING INFORMATION

EXTINGUISHING MEDIA : Use water to keep fire exposed containers cool.

FIRE FIGHTING PROCEDURES: Use flooding quantities of water only. Use water spray To keep fire exposed containers cool. Fight fire from protected location or maximum distance. Chemical type extinguishers are not effective with peracetic acid or hydrogen peroxide, which are ingredients in this Product. Use proper personal protective equipment and positive pressure self contained breathing apparatus.

SENSITIVITY TO IMPACT: Not available

SENSITIVITY TO STATIC DISCHARGE: Not available



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SECTION VI - ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Approach release from upwind. Stop or control leak using special protective clothing and positive pressure self-contained breathing apparatus. Control run off and isolate discharged material for proper disposal. Do not allow undiluted material to enter storm or sanitary sewer systems. Combustible materials exposed to hydrogen peroxide, an ingredient in this product, should be immediately submerged in, or rinsed with, large amounts of water to ensure that all hydrogen peroxide is removed. Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire

SECTION VII - HANDLING AND STORAGE

HANDLING: Do not ingest. Do not breathe gas/fumes/ vapor/spray .

STORAGE : Do not store near reducing agents, fuels or other non-compatible materials. Store in a cool, dry, well ventilated area. For quality purposes, avoid temperatures above 86° F. Higher temperatures will accelerate decomposition resulting in a loss of assay. When stored at continuous 100° F, product shelf life is 4 months without loss in assay. Avoid storing in direct sunlight. Do not store near sources of ignition or heat. Do not double stack. Use first in, first out storage system. Containers must be vented.



CLEANWAY

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SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide mechanical local exhaust ventilation to prevent the release of vapors or mist into the work area. If release is expected, use respiratory protection.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use cup type chemical goggles. Full face shield may be used.

RESPIRATORY: Wear appropriate respirator when ventilation and/or engineering controls are inadequate and occupational exposure limits may be exceeded. Use approved acid/gas cartridge or canister with full face-piece unless break-through occurs, then use airline supplied or self contained breathing apparatus with full face-piece.

PROTECTIVE CLOTHING: Rubber or neoprene footwear. Rubber or neoprene aprons or full protective clothing. Hydrogen peroxide is an ingredient in this product; completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

GLOVES: Rubber or neoprene gloves. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Sharp, pungent, vinegar like odor

APPEARANCE: Colorless liquid

AUTOIGNITION TEMPERATURE: 305 °C (581 °F)

BOILING POINT: About 109 °C (228 °F)

COEFFICIENT OF OIL / WATER: Not available

DENSITY / WEIGHT PER VOLUME: 9.42 lb/gal @ 20 °C

EVAPORATION RATE: Above 1 (Butyl Acetate = 1)

FLASH POINT: 80 °C (176 °F) (CC)

Open Cup - No measurable flash point up to 110°C.

Fire Point - No fire point. This material will not sustain a flame.

MELTING POINT: -49 °C (-56 °F)

ODOR THRESHOLD: Not available

OXIDIZING PROPERTIES: Strong oxidizer

pH: Less than 1

SOLUBILITY IN WATER: 100 % @ 25 °C (by wt.)

SPECIFIC GRAVITY: 1.13 @ 20 °C (H₂O=1)

VAPOR DENSITY: Not available (Air = 1)

VAPOR PRESSURE: 22 mm Hg @ 25 °C (77 °F)



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SECTION X - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Open flames, elevated temperatures, any source of heat, combustibles such as paper and wood and contamination. For quality purposes, avoid temperatures above 86°F. Higher temperatures will accelerate decomposition resulting in a loss of assay.

STABILITY: Stable (contamination or heat could initiate decomposition).

POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: Dirt, alkali (caustic), reducing agents, oxidizing agents, organics and heavy metals such as iron, copper, chromium, nickel, aluminum and cobalt.

HAZARDOUS DECOMPOSITION PRODUCTS: Acetic acid and oxygen that supports combustion.

SECTION XI - TOXICOLOGICAL INFORMATION

INGESTION Causes burns to mouth, throat and stomach.

EYE CONTACT Corrosive to eyes

SKIN CONTACT Corrosive to skin

INHALATION Severely irritating to the respiratory system. Deliberately forming and breathing aerosols may be fatal.

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available for the product.

CHEMICAL FATE INFORMATION: No data available for the product. Peracetic acid is completely miscible with water. Aqueous solutions of peracetic acid hydrolyze to acetic acid and hydrogen Peroxide.



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SECTION XIII - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Discharge as a hazardous waste into a suitable treatment system in Accordance with local, state and federal governmental agencies.

SECTION XIV - TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

PROPER SHIPPING NAME: Organic Peroxide Type F, Liquid (with \leq 17% Peracetic Acid with \leq 26% Hydrogen Peroxide)

PRIMARY HAZARD CLASS / DIVISION : 5.2 (Organic Peroxide)