



# HYDROSAN

*(Hydrogen Peroxide)*

UN No	<b>2014</b>
HAZCHEM	<b>2P</b>

Clear colourless liquid.  
Slightly sharp odour.  
Will react with aluminum and zinc.  
Carried in 5ltr DG containers.

## HAZARDS

<b>Fire or explosion</b>	<ul style="list-style-type: none"> <li>• Material does not burn.</li> <li>• Fire or heat will produce irritating, toxic, and/or corrosive gases.</li> <li>• Containers may explode when heated.</li> <li>• Some may ignite combustibles (wood, paper, clothing, and so on).</li> <li>• Contact with metals may evolve flammable hydrogen gas.</li> <li>• Some may decompose explosively (D) or polymerise violently (P) when heated or involved in fire.</li> </ul>
<b>Health</b>	<ul style="list-style-type: none"> <li>• TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.</li> <li>• Inhalation, ingestion or contact with substance may cause severe injury or death.</li> <li>• Contact with molten substance may cause severe burns.</li> <li>• Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.</li> </ul>

## EMERGENCY RESPONSE

<b>Fire</b>	<p><b>Small fire</b></p> <ul style="list-style-type: none"> <li>• Use dry chemical, CO<sup>2</sup>, or water spray.</li> <li>• If safe to do so, move undamaged containers from fire area.</li> </ul> <p><b>Large fire</b></p> <ul style="list-style-type: none"> <li>• Use dry chemical, CO<sup>2</sup>, foam or water spray – Do not use water jets.</li> <li>• Cool containers with flooding quantities of water until well after fire is out.</li> <li>• Avoid getting water inside containers.</li> </ul> <p><b>Fire involving tanks</b></p> <ul style="list-style-type: none"> <li>• Fight fire from protected position or use unmanned hose holders or monitor nozzles.</li> <li>• Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.</li> <li>• ALWAYS stay away from tank ends.</li> </ul>
<b>Spill or leak</b>	<ul style="list-style-type: none"> <li>• ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50m.</li> <li>• Do not touch or walk through spilled material.</li> <li>• Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.</li> <li>• Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.</li> <li>• Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimize spreading or contact with rain.</li> <li>• DO NOT GET WATER INSIDE CONTAINERS.</li> </ul>



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<p><b>First aid</b></p>	<ul style="list-style-type: none"> <li>• Remove victim to fresh air – Apply resuscitation if victim is not breathing – <b>Do not use direct mouth-to-mouth method</b> if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.</li> <li>• Remove contaminated clothing and shoes immediately.</li> <li>• In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.</li> <li>• For minor skin contact, avoid spreading material on unaffected skin.</li> <li>• Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.</li> <li>• CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE.</li> </ul>
<h2>PROTECTIVE CLOTHING</h2>	
	<ul style="list-style-type: none"> <li>• Wear SCBA and chemical splash suit.</li> <li>• Fully-encapsulating, gas-tight suits should be worn for maximum protection.</li> <li>• Structural firefighter’s uniform is NOT effective for these materials.</li> </ul>
<h2>PUBLIC SAFETY</h2>	
	<ul style="list-style-type: none"> <li>• <b>IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE.</b></li> <li>• Spill or leak area should be isolated immediately for at least 25m in all directions.</li> <li>• Keep unauthorized personnel away.</li> <li>• Keep upwind and to higher ground.</li> <li>• Ventilate enclosed spaces before entering.</li> </ul>
<p><b>Evacuation</b></p>	<p><b>Large spill</b></p> <ul style="list-style-type: none"> <li>• Consider initial downwind evacuation of areas within at least 250m.</li> </ul> <p><b>Fire</b></p> <ul style="list-style-type: none"> <li>• When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800m in all directions.</li> </ul>