

EMERGENCY PROCEDURE GUIDE FOR TRANSPORT

10-Jun-09



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TRADE NAME	HAND SAN
APPROVED NAME	Ethanol Solution
UN NO. 1170	HAZCHEM 2 [Y]

HAZARDS

FIRE OR EXPLOSION	<ul style="list-style-type: none"> • HIGHLY FLAMMABLE: These products have a low flash point - Will be easily ignited by heat, sparks or flames at ambient temperatures. • Vapours will form explosive mixtures with air. • Vapours will travel to source of ignition and flash back. • Fire may produce irritating, poisonous or corrosive gases. • Containers may explode when heated. • Many liquids are lighter than water. • Many vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks) • Vapours from runoff may create an explosion hazard. • Some may decompose explosively (D) or polymerize violently (P) when heated or involved in a fire.
HEALTH	<ul style="list-style-type: none"> • May irritate or burn skin and eyes. • Runoff from fire control or dilution water may pollute waterways. • Vapours may cause dizziness or drowsiness.

PROTECTIVE CLOTHING

	<ul style="list-style-type: none"> • SCBA and structural firefighter's uniform may provide limited protection. • Fully-encapsulating, gas-tight suits should be worn for maximum protection.
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PUBLIC SAFETY

	<ul style="list-style-type: none">• IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE• Spill or leak area should be isolated immediately for at least 25 m in all directions.• Keep unauthorized personnel away.• Keep upwind and to higher ground.• Ventilate enclosed spaces before entering.
EVACUATION	<p>Large spill</p> <ul style="list-style-type: none">• Consider initial downwind evacuation for at least 300 m. <p>Fire</p> <ul style="list-style-type: none">• When any large container (including rail and road tanker) is involved in a fire, consider initial evacuation for 500 m in all directions.

EMERGENCY RESPONSE

Fire	<p>Caution: Use of water spray when fighting fire may be inefficient.</p> <p>Small fire</p> <ul style="list-style-type: none">• Use foam, dry chemical, CO₂ or water spray. <p>Large fire</p> <ul style="list-style-type: none">• Use foam, fog or water spray - Do not use water jets.• If safe to do so, move undamaged containers from fire area.• Cool containers with flooding quantities of water until well after fire is out.• Avoid getting water inside containers. <p>Fire involving tanks</p> <ul style="list-style-type: none">• Fight fire from protected position using unmanned hose holders or monitor nozzles.• When impossible, immediately withdraw from hazard area and let burn.• Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.• ALWAYS stay away from tank ends.
Spill or leak	<ul style="list-style-type: none">• ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50m - All equipment used in handling the product must be earthed.• Do not touch or walk through spilled material.• Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.• Vapour - suppressing foam may be used to control vapours• Absorb spill with earth, sand or other non-combustible material – Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal.• Water spray may be used to knock down or divert vapour clouds.• SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	<ul style="list-style-type: none">• Remove victim to fresh air – Apply resuscitation if victim is not breathing• Administer oxygen if breathing is difficult.• Remove contaminated clothing and shoes immediately.• In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.• 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.