

FUMIGATION LEAK AND FUMIGATION FIRE

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| | ACTION (NOT NECESSARILY IN ORDER) |
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| <input type="checkbox"/> | Activate emergency alarm. Make announcement on PA system regarding fumigant leak or fire |
| <input type="checkbox"/> | Evacuate open decks. Muster all crew inside accommodation |
| <input type="checkbox"/> | Close all accommodation and engine room doors / vents. The air-conditioning intake must be switched to internal cycle |
| <input type="checkbox"/> | Check gas levels inside accommodation. Determine the source of leak. |
| <input type="checkbox"/> | All crew to muster at safe location inside accommodation or at bridge wings where gas level is at a minimum |
| <input type="checkbox"/> | Restrict ignition sources inside accommodation |
| <input type="checkbox"/> | If at sea, check navigational hazards and position the vessel so the accommodation block is upwind. If necessary, adjust the vessels speed and/or direction. |
| <input type="checkbox"/> | If at sea, call for assistance if the ship is in immediate danger. Inform nearest MRCC if required |
| <input type="checkbox"/> | If in port, inform port / terminal authorities / agents. Shore crew to evacuate vessel immediately |
| <input type="checkbox"/> | Inform the Company and Charterers |
| <input type="checkbox"/> | Identify the hazards referring to MSDS and brief the crew on precautions to be taken |
| <input type="checkbox"/> | Contact the fumigation company and follow their advice. The technicians are trained to respond in an emergency such as a fumigant release or fire. (In port, they will help control the scene and direct any nearby workers to a safe upwind location, then cordon off unsafe areas with cones and signage) |
| <input type="checkbox"/> | Consider evacuating crew ashore if vessel is in port |
| <input type="checkbox"/> | Crew (Emergency / support party) to wear respiratory protection / SCBA. Use the gas monitor to identify where gas is entering the area and seal up the source wearing respiratory protection. |
| <input type="checkbox"/> | The boundary must be clearly identified, including signage that warns others of the danger and that entry is prohibited. The boundaries must be regularly monitored and where required adjusted or enlarged to ensure safe levels are maintained the boundary. |
| <input type="checkbox"/> | Ensure crew are safely situated in areas with levels sustained at 0.0ppm. Remain in a safe location until the source of gas has been controlled |
| <input type="checkbox"/> | For fumigation fire, never use water to extinguish a phosphine fire |
| <input type="checkbox"/> | Seal all hatches and natural vents as soon as possible and keep closed for at least 24 hours. The lack of oxygen should extinguish the fumigation fire. Crew to use suitable PPE while carrying out this task |
| <input type="checkbox"/> | Keep rechecking every 24 hours until there is no evidence of fumigation smoke or fumigation fire |
| <input type="checkbox"/> | For fumigation fire on deck, use sand or dry powder to smother the fire |
| <input type="checkbox"/> | Keep lifeboat in readiness for lowering |