



# Fire Safety

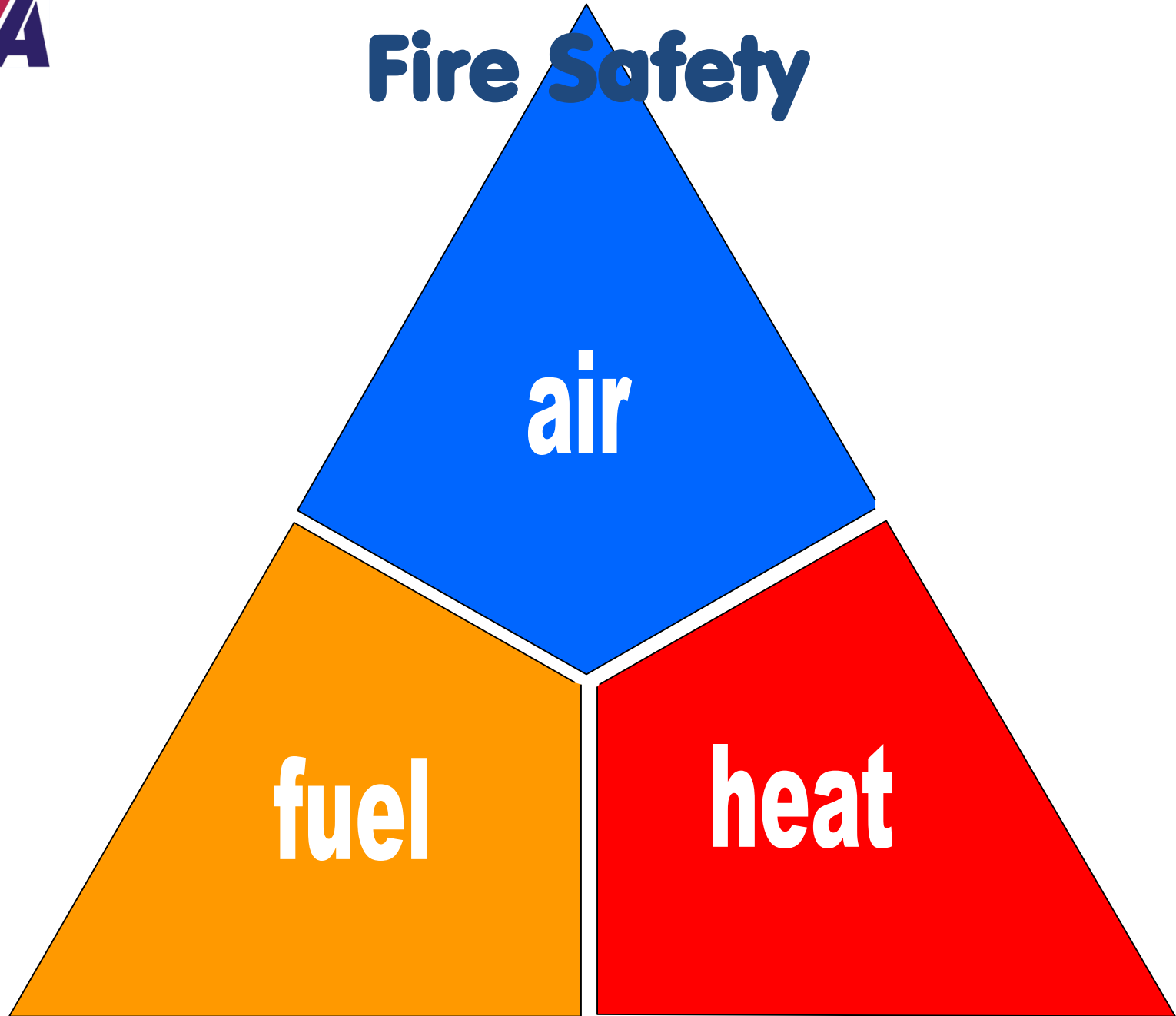
[www.penguinsailing.com](http://www.penguinsailing.com)



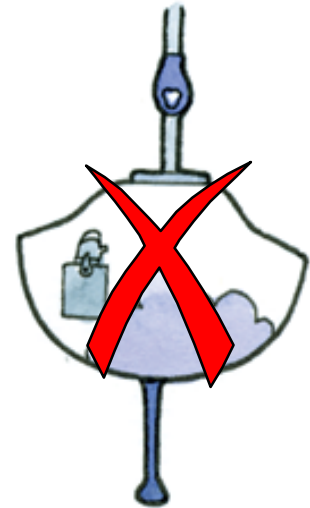
# Fire Safety



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# Common Causes of Fire



**Smoking below decks**

**Gas build up in the bilges**

**Cooking fats**

**Solvents/paints stored below**

**Faulty wiring**



# Petrol vapours



**Always vent the engine space  
before starting an inboard  
petrol engine**

**Keep outboards on deck to  
avoid the build up of vapour  
below**

# Extinguishers



# Extinguishers



**Dry powder – don't use on flammable liquids**

# Extinguishers



CO2 / Halocarbon – good for enclosed spaces, such as the engine compartment



# Extinguishers



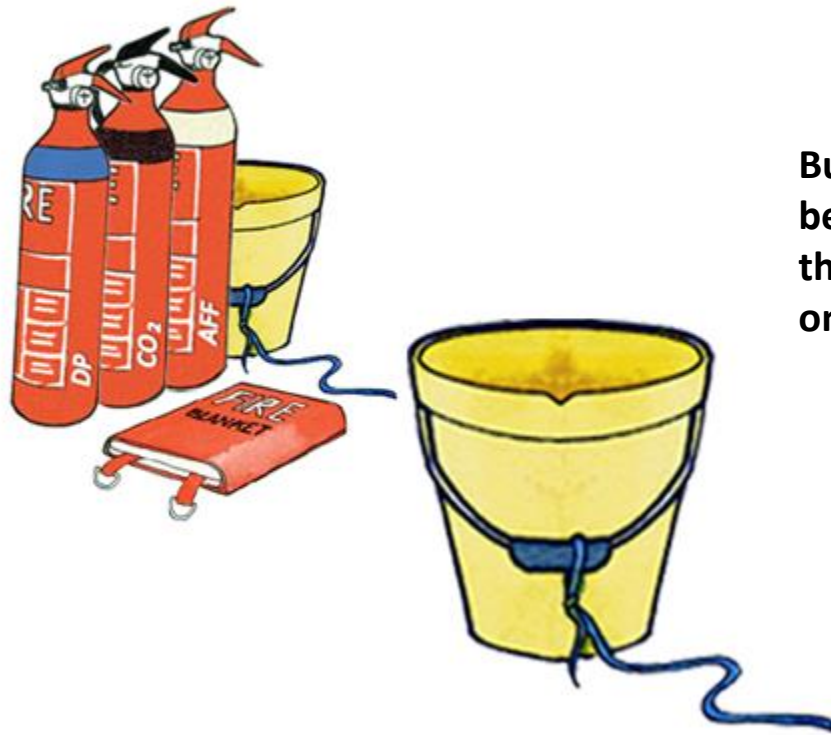
**AFFF – foam, good for flammable liquids**

# Extinguishers



**Blanket – good for smothering flames**

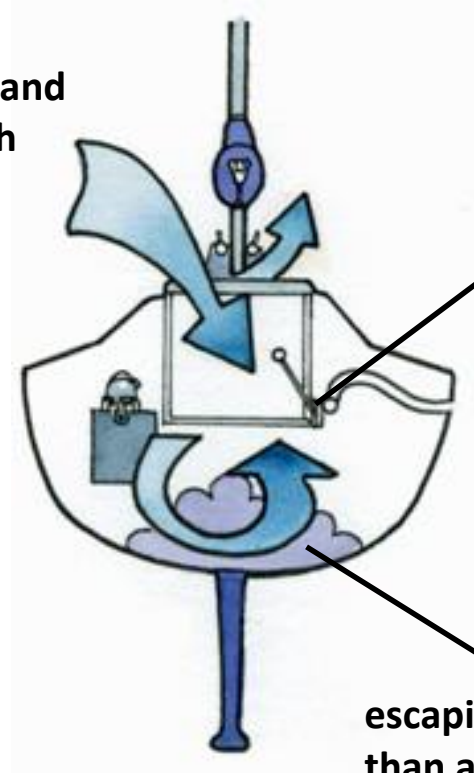
# Extinguishers



**Bucket – splashing water can be more effective than throwing entire contents at once**

# Gas safety

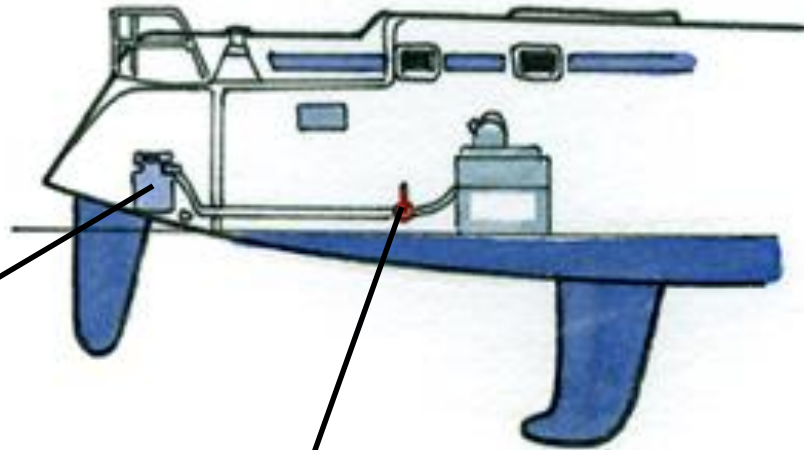
To clear gas – open hatches and turn downwind to vent fresh air through the boat



bilge pumps are designed to pump water, many won't clear gas very effectively

escaping gas is heavier than air and will sink into the bilges

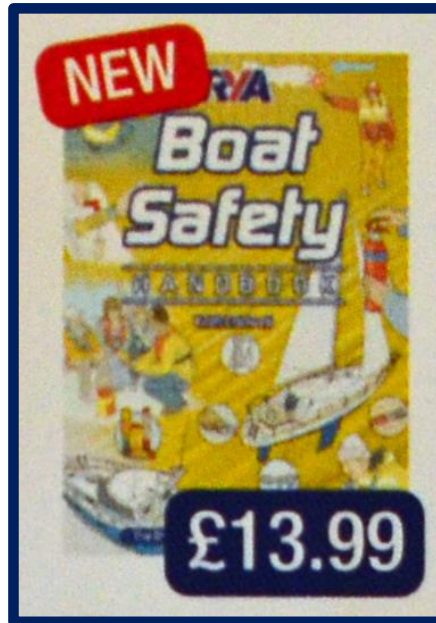
# Gas safety



keep gas bottle in a sealed locker that drains overboard

shut-off valve inside near cooker

# Further Reading



We highly recommend Keith Colwell's  
**RYA Boat Safety (G103)**

You can buy a copy of this book by visiting our on-line shop at  
**[www.penguinsailing.com](http://www.penguinsailing.com)**