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[Home](#) > Exploding plastic bottles

Exploding plastic bottles

Posted by Anonymous on Fri, 2021-08-20 10:59

Exploding plastic bottles: I would like to ask about the demonstration of HCl and Al within a plastic bottle which explodes when the level of hydrogen gas builds up. I don't believe it should be done at school. Can schools have explosions like this?

Is it possible to calculate the quantities needed so the reaction goes to completion without spraying conc. HCl or aluminium shrapnel? What would be the safety distance from this activity? How could you clean up wastes? Cover with sodium carbonate and wash into drains?

Thankyou,

Voting:



No votes yet

Year Level:

10

Laboratory Technicians:

Showing 1-1 of 1 Responses

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Submitted by sat on 20 August 2021

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