



<b>SCHOOL</b>			
<b>TEXT</b>	Science Alive 2		
<b>CHAPTER 4</b>	Chemical reactions	<b>PAGE</b>	89
<b>ACTIVITY</b>	How can the rate of reaction be changed?		

### Experiment Summary

Part A: Observing the reaction between hydrochloric acid and calcium carbonate

PROTECTIVE MEASURES				
GLASSES	GLOVES	DUST MASK	LAB COAT	FUME HOOD
✓			✓	

SAFETY INFORMATION						
REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
HYDROCHLORIC ACID (1 M SOLUTION)	Y	N	2.1		1075	2WE

#### Risks

- Harmful by inhalation

#### Safety

- Wear suitable eye/face protection.
- Use only in well-ventilated areas.
- Do not breathe gas/fumes/vapour/spray.



#### FIRST AID

<b>Swallowed</b>	Contact doctor or Poisons Information Centre. Give glass of water.
<b>Eye</b>	Wash with running water for 15 minutes. Seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin with soap and water.
<b>Inhaled</b>	Provide fresh air. Keep patient rested and warm.

REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
CHALK Main ingredient: calcium carbonate	Y	N				

#### Risks

- Irritating to the eyes

#### Safety

- Wear suitable eye/face protection.
- Avoid contact with skin.

#### FIRST AID

<b>Swallowed</b>	Rinse mouth with water.
<b>Eye</b>	Wash with running water. For discomfort, seek medical advice.
<b>Skin</b>	Wash with soap and water.
<b>Inhaled</b>	Blow nose; rinse mouth with water.

#### CONCLUSION

- Wear appropriate eye protection and clothing.
- Avoid inhaling gas/fumes.

ASSESSOR/S: ..... DATE: .....

THIS ASSESSMENT IS VALID UNTIL: .....

**Disclaimer:** This Risk Assessment Sheet is provided as a guide only. MSDSs vary between manufacturers so the content of this sheet must be checked against the MSDS provided by the manufacturer of chemicals used in YOUR school laboratories. This sheet must not be used in laboratories until it has been checked against your own MSDS, signed and dated. To the maximum extent permitted by law, the Publisher disclaims all responsibility for actions taken or not taken in relation to the Risk Assessment Sheets.