



SCHOOL			
TEXT	Science Alive 2		
CHAPTER 1	Substances: a look inside	PAGE	17
ACTIVITY	Flaming atoms!		

Experiment Summary

Observing the colour of burning atoms

PROTECTIVE MEASURES

GLASSES	GLOVES	DUST MASK	LAB COAT	FUME HOOD
✓			✓	✓

SAFETY INFORMATION

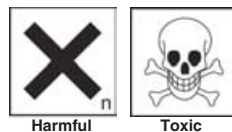
REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
Refer to appropriate risk assessments for: 1. NATURAL GAS 2. LPG 3. MATCHES						
REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
BARIUM CHLORIDE	Y	Y	6.1		1564	2Z

Risks

- Harmful by inhalation
- Skin contact may damage health
- May produce discomfort in the respiratory system
- Toxic if ingested

Safety

- Do not breathe dust.
- Wear suitable protective clothing and eye protection.
- Use a fume hood.



FIRST AID

Swallowed	Contact doctor or Poisons Information Centre. If patient is conscious and more than 15 minutes from doctor, induce vomiting.
Eye	Wash with running water for 15 minutes. Seek medical attention.
Skin	Flood body part with water. Remove contaminated clothing. Wash skin with soap and water. Seek medical attention.
Inhaled	Provide fresh air. Keep patient rested and warm. Blow nose. Rinse mouth with water. If breathing is shallow, give oxygen. Seek medical attention.

REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
COPPER CHLORIDE	Y	Y	8		2802	2Z

Risks

- Toxic if swallowed
- Risk of serious damage to eyes
- Harmful; danger of serious damage to health by prolonged exposure through inhalation

Safety

- Wear suitable clothing and eye protection.
- Do not breathe dust.
- Keep copper chloride locked away.



FIRST AID

Swallowed	Contact doctor or Poisons Information Centre. Give glass of water.
Eye	Wash with running water for 15 minutes. Seek medical attention.
Skin	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention.
Inhaled	Provide fresh air. Keep patient rested and warm. If breathing is shallow, give oxygen. Seek medical attention.

(continued)



REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
NICKEL CHLORIDE	Y	Y	6.1		3287	2Z

Risks

- Toxic if swallowed

Safety

- Keep nickel chloride locked away.
- Keep container in well-ventilated place.
- Avoid contact with skin.



Toxic

FIRST AID

Swallowed	Contact doctor or Poisons Information Centre. Induce vomiting if patient is conscious and more than 15 minutes from doctor.
Eye	Wash with running water.
Skin	Remove contaminated clothing. Wash skin with soap and water.
Inhaled	Provide fresh air. Keep patient rested and warm. If breathing is shallow, give oxygen. Seek medical attention.

CONCLUSION

- Wear suitable clothing and eye protection.
- Warn students of the danger of a naked flame.
- Tie back long hair.
- Ensure coat sleeves do not interfere with hand movement.
- Ensure hot equipment is placed on a heatproof mat.
- Allow all equipment to cool before dismantling.
- Use a fume hood during experiments.
- Do not breathe dust/gas/vapour/spray.

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.