









Safety in Science

Workplace Hazardous Materials Information System (WHMIS)

WHMIS labels are on all chemical products that are supplied to schools, businesses, and industries. It is a form of clear and standardized labelling that specifies hazardous information about the product.

Using page 479 of your textbook, complete the following chart.

WHMIS Symbol	Type of Compound and Description of Material
	
	
	
	
	
	
	
	

State the type of compound described by the following risks.

1. May explode if exposed to shock or heat. _____
2. May cause death or permanent injury. _____
3. Could explode due to pressure or if heated or dropped. _____
4. Can cause skin or eye burns. _____
5. May cause anaphylactic shock. _____
6. May be fatal if ingested or inhaled and can even be absorbed through skin. _____
7. May irritate skin and even cause severe burns to tissue and lungs. _____
8. May ignite spontaneously. _____
9. Increase fire and explosion hazards. _____
10. Includes viruses, yeasts, bacteria, and parasites that affect humans. _____
11. May be chemically unstable, react with water, or burn unexpectedly. _____
12. May irritate eyes and even cause blindness. _____

State the type of compound described by the following precautions.

Compound	Precautions
	Wear appropriate personal protection (hand, body, face, and eye), avoid direct contact, work in a well-ventilated area, and store appropriately.
	Wear appropriate personal protection (hand, body, face, and eye), avoid direct contact, use breaking apparatus, work in a well-ventilated area, and store appropriately.
	Ensure container is always secured, do not drop the container, and store appropriately.
	Wear appropriate personal protection (hand, body, face, and eye), store away from combustibles, and store in containers that do not rust or oxidize.
	Handle with care, avoiding temperature changes, shocks, and vibrations. Maintain this care during storage and ensure containers are sealed.
	Take special training to handle these materials in a designated biological area.
	Work in well-ventilated areas to avoid heat, sparks, and flames. Store in designated areas.
	Wear appropriate personal protection (hand, body, face, and eye) and avoid breathing in dust/vapours and contact with skin or eyes. Work in a well-ventilated area.

