**OpenSciEd Unit 7.2 Chemical Reactions and Energy**

**How can we help people make a flameless heater?**

**7.2 Specialized Kit with 7.1 Specialized Replenishment**

**Product # KITS71/2B**

Price: $**468.00**

Shipping and handling: $**100.00**

Total Per Kit: **$568.00**

This kit contains the specialized equipment required for 7.2 and replenishment for 7.1. Quantities are sufficient for up to 6 class periods of 30 students in a single classroom. Kit does not include locally sourced or standard equipment.

Items are shipped in covered plastic bins designed to store equipment and supplies when not in use.

*Earliest ship date is* ***July 30, 2020.***  *Please specify the earliest acceptable arrival date on order form.*

Kit Contents

**Reusable in all classes**

| **Product** | **Item Description** | **Quantity** |
| --- | --- | --- |
| Thermometers | Celsius and Fahrenheit temperature digital with probe | 8 |
| Digital scales | Digital and hold up to at least 1000g. 0.0g measure to the 1/10th of a gram | 8 |
| Trays | 14X18 Plastic | 8 |
| Funnels | 8 oz | 8 |

**Consumable**

|  |  |  |  |
| --- | --- | --- | --- |
| Water beads | | Multi-color Rehydration | 48 oz |
| Prepackaged MRE | | Flameless heaters need to use magnesium, iron and salt as the main chemical reaction to heat the food. | 1 | |
| Extra MRE Heaters | | Flameless heaters need to use magnesium, iron and salt as the main chemical reaction to heat the food. | 9 |
| Potassium Chloride | | Granular; NOT powered form | 1200 grams |
| Root Killer | | min 99.0% copper sulfate pentahydrate | 18 lbs |
| Cabbage Juice Powder | |  | 24 grams |
| Magnesium | | Must be magnesium metal powder (should look grey in appearance). Do NOT get Magnesium Oxide (white powder) or other forms used in vitamins | 24 grams |
| Iron Filings | | 40 Mesh, Laboratory Grade | 24 grams |
| Gloves | | Non latex | 30 pair |
| eyedroppers | 1 ml plastic disposable, (100 pieces) | | 100 |
| rubbing alcohol 99% |  | | 48 oz |
| Bath Bomb | Store bought | | 4 |
| Glycerine |  | | 48 oz |
| Plastic Cup | Disposable, 3oz | | 600 |
| Plastic Cup | Disposable, 5oz | | 180 |