For a minor burn, apply a burn ointment. For a severe burn, immerse the burned area in ice water at once and see a physician as quickly as possible.

In the unlikely event of oral ingestion of the propellant, induce vomiting and see a physician as quickly as possible. The AeroTech G80T model rocket motor contains a propellant that consists primarily of ammonium perchlorate and a rubber-like plastic elastomer.

**DISPOSAL**

Damaged, defective, or unwanted motors should be disposed of in the following manner: Pack the motor in a bag, in the ground with just the nozzle showing, away from buildings, people, animals, and flammable materials. Be sure the nozzle is pointing straight up and is clear. Ignite electrically, per ignition instructions, from a distance of 30 feet or more. Propellant, delay and ejector charge will burn until consumed. Do not approach for at least five minutes after the firing. Do not put any part of your body over the motor during the process. Dispose of spent motor in inert trash. WARNING: Remember that the motor will be very hot after firing. Allow time for it to cool down.

**FIRE SAFETY**

Controlled tests show that AeroTech composite propellant motor rockets will not explode in fires and normally will not ignite subjected to intense, sustained fires for two minutes or less. Use water to fight fires in which AeroTech composite model rocket motors may become involved; direct the water at the AeroTech composite motor rocket motors to keep them below their 550°F autoignition temperature. Foam and carbon dioxide fire extinguishers, however, will not extinguish burning propellant of the type used in AeroTech composite model rocket motors.

**NOTICE REGARDING MOTOR DELAY TIMES**

This new G80T with the molded thrust ring generates over 40% additional total impulse than the previous version of the G80T. This will result in additional coast time needed for any rocket that the new G80T is flown in. As a consequence, AeroTech has discontinued the -4 second delay as of the 12/1/10 date. If you have an -4 second delay in the model rocket you order, AeroTech recommends that you use the next longest motor delay time for any rocket that you previously flew with the G80T, i.e., use the new -7 second delay in place of the old -4 second, the new -10 second delay in place of the old -7 second and the new -13 second delay in place of the old -10 second delay.

**CAUTION:** The nozzle and the plastic casing of an AeroTech composite model rocket motor shall not be held responsible for any personal injury or property damage resulting from the handling, storage, use or disposal of our product. The buyer assumes all risks and liabilities therefore and accepts and uses the product on these conditions. No warranty either expressed or implied is made regarding AeroTech/RCS/SCC products, except for what is noted on the product data sheet, which are current to the date the product data sheet is to be defective in manufacture within one year from the date of original purchase. For repair or replacement under this warranty please contact RCS. Proof of purchase will be required. Note: Your state may provide additional rights not covered by this warranty.

**AEROTECH, AEROTECH CONSUMER AEROSPACE, the AeroTech logo, FirstFire Jr. Igniter, Yellow Elastic Band and to the side of the nozzle. 5. Fig.-2 Insert the AeroTech G80T model rocket motor into your rocket. If your rocket does not have a motor mount with a motor hook, wrap a layer of masking tape around the motor tube/motor junction to secure the motor in the rocket and to prevent motor ejection when the ejection charge fires. “Fridation fitting” an AeroTech composite model rocket motor requires that the motor mount is NOT recommended.

6. Prepare the recovery system of your rocket. Make sure that all elements of the recovery system are in good working order.

7. Slide the rocket onto the rod or rail of your launch pad. Model rockets powered by AeroTech composite model rocket motor must be flown from a launch pad having a launch rod or rail at least 36 inches long or two-thirds the combined length of the rocket body and nozzle, whichever is greater. Do not launch a model rocket powered by an AeroTech composite model rocket motor from any launch rod or rail shorter than that specified in the rocket kit assembly kit instructions. The AeroTech Minis™ model rocket launch pad will accommodate launch rods of several diameters and lengths and may be used with all types of model rockets.

8. Make sure the electrical launch controller is disarmed and then attach the igniter clips to the igniter. Test the electrical launch controller for proper safe operation before each flying session.

9. Stand at least 30 feet from the launch pad when firing a model rocket powered by an AeroTech composite model rocket motor. Do not allow spectators to stand less than 30 feet from the launch pad. After arming the electrical launch controller give a loud, audible five second countdown before pressing the launch button.

10. Read and follow the Model Rocket Safety Code of the National Association of Rocketeers (NAR) and comply with all federal, state and local laws in all activities with model rockets.

**MISFires**

If a misfire occurs and an AeroTech composite model rocket motor does not ignite for any reason within five seconds of pressing the launch button, release the launch button and remove the safety key from the motor wire. Remove the motor from the motor tube immediately. Do not before approaching or allowing anyone else to approach the model rocket. Keep your fingers and hands out of reach underneath the model rocket motor. Do not reach into the model rocket motor before removing the safety key. The motor must be removed from the model rocket before anyone can be harmed. Do not place any part of your body over the launch pad. Disconnect the igniter clips from the igniter. Carefully remove the motor rocket from the launch pad. Keeping the motor nozzle pointed away from your face and body - and away from any other person’s face or body - remove the igniter, and repeat the motor preparation and launching process with a new igniter.

**TYPICAL THRUST CURVE**

![TYPICAL THRUST CURVE](image)

**MOTOR PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>MOTOR TYPE</th>
<th>PROPULLENT WEIGHT</th>
<th>TOTAL IMPULSE (TYP)</th>
<th>AVERAGE THRUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz.</td>
<td>gms</td>
<td>lb.-sec</td>
<td>N-sec.</td>
</tr>
<tr>
<td>G80T</td>
<td>2.20</td>
<td>62.5</td>
<td>30.8</td>
</tr>
</tbody>
</table>

**DISPERSAL**

**DISPOSAL**

Damaged, defective, or unwanted motors should be disposed of in the following manner: Pack the motor in a bag, in the ground with just the nozzle showing, away from buildings, people, animals, and flammable materials. Be sure the nozzle is pointing straight up and is clear. Ignite electrically, per ignition instructions, from a distance of 30 feet or more. Propellant, delay and ejector charge will burn until consumed. Do not approach for at least five minutes after the firing. Do not put any part of your body over the motor during the process. Dispose of spent motor in inert trash. WARNING: Remember that the motor will be very hot after firing. Allow time for it to cool down.

**FIRE SAFETY**

Controlled tests show that AeroTech composite propellant motor rockets will not explode in fires and normally will not ignite subjected to intense, sustained fires for two minutes or less. Use water to fight fires in which AeroTech composite model rocket motors may become involved; direct the water at the AeroTech composite motor rocket motors to keep them below their 550°F autoignition temperature. Foam and carbon dioxide fire extinguishers, however, will not extinguish burning propellant of the type used in AeroTech composite model rocket motors.

**NOTICE REGARDING MOTOR DELAY TIMES**

This new G80T with the molded thrust ring generates over 40% additional total impulse than the previous version of the G80T. This will result in additional coast time needed for any rocket that the new G80T is flown in. As a consequence, AeroTech has discontinued the -4 second delay as of the 12/1/10 date. If you have an -4 second delay in the model rocket you order, AeroTech recommends that you use the next longest motor delay time for any rocket that you previously flew with the G80T, i.e., use the new -7 second delay in place of the old -4 second, the new -10 second delay in place of the old -7 second and the new -13 second delay in place of the old -10 second delay.

**CAUTION:** The nozzle and the plastic casing of an AeroTech composite model rocket motor shall not be held responsible for any personal injury or property damage resulting from the handling, storage, use or disposal of our product. The buyer assumes all risks and liabilities therefore and accepts and uses the product on these conditions. No warranty either expressed or implied is made regarding AeroTech/RCS/SCC products, except for what is noted on the product data sheet, which are current to the date the product data sheet is to be defective in manufacture within one year from the date of original purchase. For repair or replacement under this warranty please contact RCS. Proof of purchase will be required. Note: Your state may provide additional rights not covered by this warranty.

**AEROTECH, AEROTECH CONSUMER AEROSPACE, the AeroTech logo, FirstFire Jr. Igniter, Yellow Elastic Band and to the side of the nozzle. 5. Fig.-2 Insert the AeroTech G80T model rocket motor into your rocket. If your rocket does not have a motor mount with a motor hook, wrap a layer of masking tape around the motor tube/motor junction to secure the motor in the rocket and to prevent motor ejection when the ejection charge fires. “Fridation fitting” an AeroTech composite model rocket motor requires that the motor mount is NOT recommended.

6. Prepare the recovery system of your rocket. Make sure that all elements of the recovery system are in good working order.

7. Slide the rocket onto the rod or rail of your launch pad. Model rockets powered by AeroTech composite model rocket motor must be flown from a launch pad having a launch rod or rail at least 36 inches long or two-thirds the combined length of the rocket body and nozzle, whichever is greater. Do not launch a model rocket powered by an AeroTech composite model rocket motor from any launch rod or rail shorter than that specified in the rocket kit assembly kit instructions. The AeroTech Minis™ model rocket launch pad will accommodate launch rods of several diameters and lengths and may be used with all types of model rockets.

8. Make sure the electrical launch controller is disarmed and then attach the igniter clips to the igniter. Test the electrical launch controller for proper safe operation before each flying session.

9. Stand at least 30 feet from the launch pad when firing a model rocket powered by an AeroTech composite model rocket motor. Do not allow spectators to stand less than 30 feet from the launch pad. After arming the electrical launch controller give a loud, audible five second countdown before pressing the launch button.

10. Read and follow the Model Rocket Safety Code of the National Association of Rocketeers (NAR) and comply with all federal, state and local laws in all activities with model rockets.

**MISFires**

If a misfire occurs and an AeroTech composite model rocket motor does not ignite for any reason within five seconds of pressing the launch button, release the launch button and remove the safety key from the motor wire. Remove the motor from the motor tube immediately. Do not before approaching or allowing anyone else to approach the model rocket. Keep your fingers and hands out of reach underneath the model rocket motor. Do not reach into the model rocket motor before removing the safety key. The motor must be removed from the model rocket before anyone can be harmed. Do not place any part of your body over the launch pad. Disconnect the igniter clips from the igniter. Carefully remove the motor rocket from the launch pad. Keeping the motor nozzle pointed away from your face and body - and away from any other person’s face or body - remove the igniter, and repeat the motor preparation and launching process with a new igniter.

**TYPICAL THRUST CURVE**

![TYPICAL THRUST CURVE](image)

**MOTOR PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>MOTOR TYPE</th>
<th>PROPULLENT WEIGHT</th>
<th>TOTAL IMPULSE (TYP)</th>
<th>AVERAGE THRUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz.</td>
<td>gms</td>
<td>lb.-sec</td>
<td>N-sec.</td>
</tr>
<tr>
<td>G80T</td>
<td>2.20</td>
<td>62.5</td>
<td>30.8</td>
</tr>
</tbody>
</table>