



# Storage & Handling Guidelines for MaxalMig® and MaxalTig® Wires & Rods

## Introduction

This document has been developed to provide guidelines for the storage and care of MaxalMig and MaxalTig aluminum wires and rods. When followed, these guidelines will help ensure the product performs as intended after the storage period as well as supporting the Hobart Brothers LLC product warranty.

Hobart Brothers products are warranted from defects in material and workmanship for a period of (1) year from the time of shipment in its original undamaged and unopened package. For details on the Hobart Brothers LLC product warranty, please contact our Customer Service department at 1-800-424-1543.

For additional questions on the storage and care of Hobart Brothers aluminum wires and rods, please contact the Applications Engineering Department at 1-800-532-2518 or at [applications.engineering@hobartbrothers.com](mailto:applications.engineering@hobartbrothers.com).

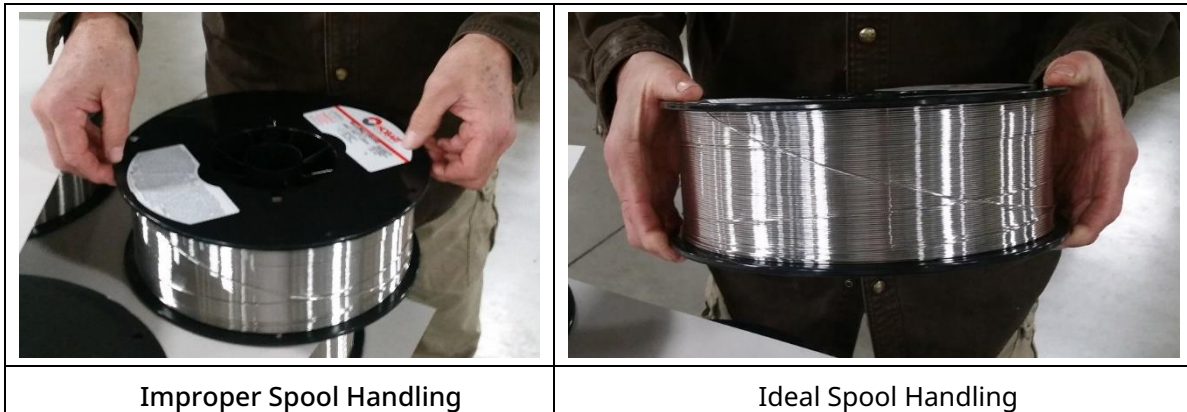
## Storage Recommendations

- Wires and rods should be stored in their original, intact packaging when not in use.
- During use, keep welding wires and rods covered at all times.
- Wires and rods should always be stored away from potential sources of damage to the packaging, such as open flames or sparks from the welding process.
- Moisture must NOT be allowed to come into contact with the product or packaging.
  - Sources of moisture includes dripping water, condensation, or storing the product in standing water.
  - Moisture contact may significantly affect the product performance and will void the product warranty.
- Wires and rods should be stored in a dry, enclosed environment and preferably at a constant temperature (minimal temperature fluctuation) to prevent them from cycling through dew points.
  - The storage conditions should be between 40°F (4°C) and 120°F (49°C) with a maximum of 80% humidity.
  - Welding wires and rods may be stored in a dry heated room or cabinet until use.
- Wires and rods moved from colder to warmer environments must be allowed to stabilize thermally in (acclimate to) the welding environment for at least 24 hours prior to welding.
  - If not acclimated, condensation can form directly on the wire or rods creating hydrated oxide on exposed surfaces.
  - If the filler metal is below the dew point temperature indicated by the intersection of the welding environment's air temperature and relative humidity shown in the table below, condensation will form on the material causing weld discontinuities.

Air Temp (°F)	Relative Humidity %									
	100	90	80	70	60	50	40	30	20	10
110	110	106	102	98	93	87	80	72	60	41
100	100	97	93	89	84	78	71	63	52	32
90	90	87	83	79	74	68	62	54	43	32
80	80	77	73	69	65	59	53	45	35	
70	70	67	63	59	55	50	44	37		
60	60	57	53	50	45	41	35			
50	50	46	44	40	36					
40	40	37	34							
32	32									

## Handling Recommendations

- Avoid touching the surface of the wire with bare hands or dirty gloves.
- Avoid contamination of the wire surface with compressed air exhaust, grinding abrasive dust/debris, paint or lubricant overspray, etc.
- Do not lift or transport spools horizontally by a single spool flange. Doing so can bend the flange, leading to wire tangles or less-than-ideal wire feeding.



- Do not use additions to the feeding system that intend to “clean” the wire’s surface and/or add aftermarket wire lubricants. These additions are often known as wire wipes and/or lubricant pads.

## Drum Handling Recommendations

Hobart Brothers LLC is not responsible for personal, product, or other property damage resulting from improper storage, transportation, set up, or tear down of MaxalMig bulk packaging. (⚠) Indicates a hazardous situation which, if not avoided, could result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.

- ⚠ ● Only qualified material handling personnel should perform the lifting/transportation of Hobart bulk packaging.
- ⚠ ● Never lift damaged packaging and/or use damaged equipment or equipment with insufficient capacity.
- ⚠ ● Prior to lifting and transporting, plan a safe route to the destination that minimizes the potential for collisions.
- ⚠ ● When using the lifting straps, always use a lifting device intended for lifting bulk wire packaging and of sufficient capacity.
- ⚠ ● Ensure the lifting device has a locking device, and that the strap is clear of the locking device.
- ⚠ ● During lifting, ensure the lifting device is centered over the load to prevent the risk of swinging.
- ⚠ ● The load should never be lifted higher than is immediately necessary to clear obstacles.
- ⚠ ● Never walk under Hobart bulk packaging while it is suspended.
- ⚠ ● Never transport Hobart bulk packaging over the top of personnel in the area.
- ⚠ ● Do not drop, tilt, or roll drums during transport and storage.
- ⚠ ● Do not perform a single-point or single-side lift. Damage to the wire and drum will occur.