Harris ECO SMART® BORIC ACID FREE FLUX – HIGH HEAT

GENERAL INFORMATION

PHYSICAL PROPERTIES
Activity range: 371°C (700°F) - 982°C (1800°F)
Activity: Dissolves metallic and refractory oxides.
Fluidity/Wetting: Excellent - Promotes filler metal flow through braze.
Spatter: Very little spatter for undiluted flux.
Life - Base Metal Protection: Excellent throughout the active range - Prevents oxidation of base metal during brazing operation. Protection at higher temperatures and longer heating cycles than Eco Smart color change flux.
Capillary: Excellent
Flux removal: Remove flux residue after brazing with wire brush with hot water.
Base Metals: Copper alloys (copper, brasses & bronze), steels, stainless steel. Promotes optimal bonding between like and dissimilar base metals
Filler Metals: BAg, LAg and BCup Alloys
Brazing Methods: Flame, induction and furnace brazing.
Consistency: Smooth, with very little separation;flux remains in suspension when stored for extended periods of time.

BRAZING PROPERTIES:
For brazing steel, stainless steel, Monel®, nickel, copper, brass, bronze and other ferrous and non-ferrous metals and alloys. Use with Stay-Silv®, Safety-Silv® and other brazing filler metals. High Heat flux is designed to extend the temperature and life of the flux. This is helpful during longer part heating cycles, or in cases of intense localized heating, such as induction brazing. Extremely fluid. Will penetrate the tightest joints. Not subject to recrystallization (lumpiness-hardening). May be water thinned. Remove all flux residue on completion of brazing.

AVAILABLE FORMS:
250gr, 500gr, 1000gr, 25kg, 50kg (each Paste or Powder)

SPECIFICATION COMPLIANCE:
Does not contain Boric acid or any Sodium-Borate salts. The use of boric acid and sodium-borate salts is subject to restrictions within the European Union per Article 57 (c) of Regulation (EC) 1907/2006 - REACH (Registration, Evaluation, Authorization and Restriction of Chemicals). Studies performed for the EC (European Counsel) found that these chemicals can damage the reproductive systems and fetal development.
AWS Specification: AWS A5.31M/A5.31: 2012 FB3-A
International Standard: EN 1045 FH 12

WARNING. PROTECT yourself and others. Read and understand this information.
FUMES AND GASES can be hazardous to your health.
• Before use, read and understand the material Safety Data Sheets (MSDS), and your employer’s safety practices.
• Keep your head out of fumes.
• Use enough ventilation, exhaust at the arc, or both, to keep fumes and gases from your breathing zone and the general area.
• Wear correct eye, ear, and body protection.

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