Harris ECO SMART® BORIC ACID FREE FLUX – COLOR CHANGE

GENERAL INFORMATION

PHYSICAL PROPERTIES
Activity range: 427°C (800°F) - 871°C (1600°F)
Activity: Dissolves base metal 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.
Capillary: Excellent
Flux removal: Remove flux residue after brazing with wire brush with hot water.
Base Metals: Copper alloys (copper, brasses & bronze) Promotes optimal bonding between like and dissimilar base metals.
Filler Metals: BAg, LAg, LCuP and BCup Alloys
Brazing Methods: Flame, induction and furnace brazing.
Active Temperature Indication: Flux color changes from green to clear to indicate that active temperature has been reached.
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. 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 10

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.
All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied. Additional information available at our web site: www.harrisproductsgroup.com ISO 9001.