



630 Oakmont Lane ♦ Westmont, IL 60559 ♦ 1-800-323-6863 ♦ ha-international.com

## ECOFLUX 151

### Product Features

ECOFLUX 151 is low fluoride low melting point refining and cleansing flux which thickens as oxides and other impurities are absorbed. Ecoflux 151 is suitable for melting chips, turnings and dirty scrap. It may also be used as a wash down Flux to remove oxide build-up on furnace linings and crucibles

### Directions for use, melting scrap:

1. Form a heel of molten metal in the base of the crucible using large scrap or returns. Then sprinkle Ecoflux 151 over the surface of the melt at the rate of 0.5% - 1.0% by weight of metal charged or ½-1 lb flux to 1 thousand pounds of aluminum.
2. Charge the tunings and scrap through the flux layer. This prevents thin sections of the aluminum from oxidizing when being melted.
3. As soon as the liquid flux layer thickens, remove it and replace with further quantity of Ecoflux 151. Continue to charge the metal until the melting unit is fully charged.
4. Mix the liquid flux into the melt for 1-2 minutes to remove any none metallic inclusions.
5. Skim off, check temperature and pour.

### For cleaning furnaces and crucibles:

Ecoflux 151 effectively removes oxide build-up in crucibles and all type of melting units except Induction furnaces.

1. When the metal level is at its lowest, exposing the oxide build-up on the crucible or furnace walls, apply Ecoflux 151 to the walls and also to the metal surface.
2. Charge to normal operating level. This brings the molten flux in contact with the oxide build-up allowing it to be absorbed.
3. After the furnace or crucible has been emptied, remove the exposed build-up by careful scraping. This treatment, when carried out on a regular basis, will maintain the furnace efficiency and minimize subsequent defects due to inclusions of refractory.
4. Note: When cleaning crucibles, excessive use of the flux should be avoided, as this could be detrimental to life of the refractory. A cleaning treatment once per week is usually sufficient to sustain maximum crucible performance.

### Packaging:

Available in 100# Boxes, 500# Boxes, or 500# Fiber Drums

### Storage Guidelines:

Avoid extremes of temperature during storage.

### Safe Handling:

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION BY SELLER, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Seller to be accurate at the time of preparation or prepared from sources believed to be reliable but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyers exclusive remedy shall be for damages and no claim of any kind, whether to product delivered or for non-delivery of product and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.



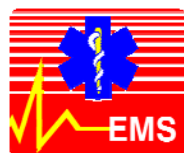
630 Oakmont Lane ♦ Westmont, IL 60559 ♦ 1-800-323-6863 ♦ ha-international.com

Refer to the Material Safety Data Sheet for additional information.

#### Technical Service

HA International is “The Best Total Solution” for your foundry by providing innovative products, in-depth technical assistance, and a diverse product line specially formulated for any foundry application. Both our in-house and field experts are available to assist you with your most challenging foundry applications. Please contact your HA International, LLC representative so that we may assist you in putting together a binder system and foundry team that will help you achieve your goals. Contact your sales representative for additional technical information.

For  
630-



**For Emergency Medical Assistance Please Call:  
Health & Safety Information Services: 1-866-303-6949**

additional health and safety or regulatory information, call  
575-5722 or 630-575-5705.

Date: 8/10/2010 Author: LCO

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION BY SELLER, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Seller to be accurate at the time of preparation or prepared from sources believed to be reliable but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyers exclusive remedy shall be for damages and no claim of any kind, whether to product delivered or for non-delivery of product and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.