

Syn^{thetic}EX^{othermic}

FS270

Fluoride and Sodium free

FS270 is a fluoride and sodium free dressing flux. FS270 was designed to remove unwanted oxides and nonmetallic impurities from molten aluminum alloys. Its good metal cleaning capabilities and fluoride and sodium free formula make it desirable both from an emissions and a metal quality standpoint. FS270 goes through a mild exothermic reaction during the entire fluxing process, which yields low metallic content in the dross.

Product Appearance

FS270 is white and beige in color and has the consistency of powdered sugar. All materials in Synex **FS270** are of the highest quality available. The high quality materials are custom blended to keep the product granularity very tight, which prevents them from becoming unblended during shipment. Material separation is a common problem with the uneven particle size distribution found in the dry chemicals of other fluxes.

Product Purpose

FS270 is effective at the removal of aluminum oxide and nonmetallic buildup in molten aluminum baths. It minimizes dross formulation and reduces metal loss. It is an excellent substitute for fluoride containing fluxes. In addition is also used to avoid sodium pickup in the metal.

Product Usage

FS270 is most effective when the entire bath of metal is covered and the flux is rapped into the metal. **FS270** will react from 1325F up to around 1450F. The amount of flux needed is determined by the amount of metal in the furnace. The standard ratio of flux to metal is about ½ lb. to 1 lb. for every square foot of surface area.

For product or additional information call:

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High Tech Fluxes for Today's Metals

Synthetic Exothermic, Inc. fluxes are of the highest quality and conform with all Synex specifications. Purchaser must read and adhere to all safety handling warnings. Due to the fact that Synex has no control of the purchasers usage, Synex makes nor implies any warranties as to the specific results the purchaser may achieve.

SECTION VI- HEALTH HAZARD INFORMATION

Routes of Entry Inhalation? yes Skin? yes Ingestion? yes

Health Hazards (acute and chronic):

Prolonged exposure to skin may lead to irritation. Prolonged inhalation may cause mucous membrane and respiratory system irritation. Harmful or fatal if ingested.

Carcinogenicity: not known to be a carcinogenic

NTP? No IARC monographs? No OSHA Regulated? No

Medical conditions generally aggravated by exposure. - None Known

Emergency and First Aid Procedures-

Skin Contact- Flush liberally with flowing water for at least 15 minutes.

Eye Contact- Flush liberally with flowing water or physiological NaCl solution. When Flushing eyes, Lids should be kept open.

Inhalation. Remove to fresh air. In case of breathing difficulties, give oxygen.

In any of the above situations, call a physician.

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES

release or spill response: use clean up method which minimizes airborne dust and avoid contamination to out plant streams.

waste disposal method: properly label waste container.

SECTION VIII- SPECIAL PROTECTION INFORMATION

hands (glove material to minimize contact): avoid skin contact.

eyes: avoid eye contact. Use goggles.

respirator type: use NIOSH approved respirator when tlv is exceeded.

ventilation requirements: local exhaust required.

other: safety shower and/or eye wash should be available

SECTION IX - SPECIAL PRECAUTIONS

special precautions in handling and storing: wash after handling **store in dry area.**

shipping regulations: none labels required: nd

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