

Syn^{thetic}EX^{othermics}

RF106

RF106 is an excellent wall cleaning flux designed for general purpose use in aluminum. **RF106** was designed to remove buildup of unwanted oxides and nonmetallic impurities from furnace walls, doors and wells. Its excellent exothermic action its simple instructions make it quick and easy to use. **RF106** also goes through a strong exothermic reaction to soften the buildup on the walls.

Product Appearance

Like all Synex fluxes, **RF106** is snow white in color and has the consistency of powdered sugar. All materials in Synex **RF106** 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

RF106 is extremely effective at the removal of aluminum oxide and nonmetallic buildup on furnace walls. Consistent cleaning once a large buildup is removed will yield a cleaner, hotter furnace that can be used to its full capacity.

Product Usage

RF106 is most effective when the applied to the built up area and allowed to go through an exothermic reaction to soften the buildup. The amount of cleaner needed is determined by the normal buildup on your furnace walls (normally about ½ lb. to 1 lb. per sq. ft. of space).

For product or additional information call:

Syn^{thetic} EX^{othermics}, Inc.
One Madison St.
Newnan, Georgia 30263

Tel. - (770)253-7652

Fax - (866)894-4254

Web - <http://www.synex-flux.com/>
charlie@synex-flux.com

“High Tech Fluxes for World Class Casters”

inventory available in:

Atlanta, Birmingham, Charlotte, Cleveland, Chicago, Indianapolis, Los Angeles, Minneapolis,
St. Louis, Tulsa and Wilkes-Barre (Pa.) Also-- Ontario & Quebec in Canada.

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.

date prepared 4/17/2008

PRODUCT NAME

RF 106 ALUMINUM FLUX

SECTION I - PRODUCT IDENTITY

Manufacturer's name: **Synex, Inc.**

EMERGENCY TELEPHONE: 770-253-7652, FAX 866-894-4254

address: **Synthetic Exothermics**, Inc. One Madison Street, Newnan, Georgia 30263

Chemical name: aluminum wall flux trade name and synonyms: **RF106**

PRODUCT IDENTIFICATION

Chemical Name: Flux

Chemical Family: Chlorides, Carbonates, Fluorides

Formula: Mixture

NFPA/HMIS: Health -2, Fire -0, Reactivity-0, Specific hazard

SECTION II HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION

Hazardous Components	OSHA PEL	ACGIH TLV	other limits recommended
Specific Chemical Identity: Common Name(s) Fluorides as potassium aluminum fluoride (CAS NO. 60304-36-1, less than 10%)	2.5mg/m3	2.5mg/m3	N/A
Nuisance Dust Respirable	5mg/m3	5mg/m3	N/A
Total Dust	15mg/m3	10mg/m3	N/A

SECTION III - PHYSICAL PROPERTIES

molecular weight:nd	specific gravity(water=1):nd
melting point (deg. F):1150-1250	boiling point (deg. C):na
water solubility (wt.%) 8.5gr/LT	volatiles (wt.%)nd
vapor pressure (mmhg):na	vapor density (air =1):na
evaporation rate: nd	appearance and odor: grey or pink crystalline powder.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash point (method used): nd flammable limits:nd
extinguishing media: this product is not considered flammable, nor will it support combustion.
special fire fighting procedures: wear respirator for fluorides
unusual fire and explosion hazards: fumes of F , Cl , and NaO_2 may be given off

SECTION V- REACTIVITY DATA

stability: unstable stable X factors promoting instability:
hazardous polymerization: will not occur
incompatibility: acid, acidferous vapors
avoid contact with:acids or high temperatures except under controlled conditions. Avoid dampness. Keep container closed. Store in dry place.
hazardous decomposition products:fumes of F , Cl , and NaO_2 may be given off when heated to decomposition.
na= not applicable nd= not determined unk=unknown

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 outplant 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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