RF320

Economy Injection Flux

RF320 is Synex's economy injection flux. Designed to remove heavy metals from molten aluminum, its chemical properties will remove unwanted hydrogen gas as well as other nonferrous oxide buildups. RF320 is a good economical injection flux for your furnace.

Product Appearance

Like all Synex fluxes, **RF320** is snow white in color and has the consistency of powdered sugar. All materials in Synex **RF320** 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.

Product Purpose

RF320 is effective in the removal of hydrogen, oxides, and other nonmetallics present in molten metal. **RF320** not only reduces the metallic content of the dross, but also the amount of dross produced. This product contains no HEX, making it user and facility friendly.

Product Usage

RF320 is most effective when used with an inert gas such as nitrogen or argon. It is compatible with all injection flux machines. The amount of injection flux needed is determined by the normal operation practices and the ingot/scrap ratio of the molten aluminum. Consistent fluxing will provide excellent results as well as a clean furnace. The recommended amount of flux is about one to three oz. of flux for every 100 lbs. of molten metal.

To order or receive additional product information call:
Syn*thetic* Ex*othermic*, 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 Today's Metals

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PRODUCT NAME

RF-320 ALUMINUM FLUX

SECTION I - PRODUCT IDENTITY

Manufacturer's name: **Synex, Inc.**
EMERGENCY TELEPHONE: 770-253-7652, FAX 866-894-4254
address:**Syn***thetic* **Ex***othermics*, Inc. ; One Madison Street, Newnan, Georgia 30263
Chemical name: aluminum flux trade name and synonyms: **rf-320**

PRODUCT IDENTIFICATION

Chemical Name: Inorganic Salts
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			other limits
Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	recommended
Fluorides potassium aluminum fluoride	2.5mg/m3	2.5mg/m3	N/A
(CAS NO. 60304-31-1, less than 10%)			
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: white 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 sif4 and na2 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 NaO2 may be given off
when heated to decomposition.

na= not applicable nd= not determined unk=unknown

SECTION VI- HEALTH HAZARD INFORMATION **Rf320 aluminum flux**

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 OHSA 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
