

date prepared 1/17/1998

PRODUCT NAME

BA315 BRASS BRONZE FLUX

SECTION I - PRODUCT IDENTITY

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

EMERGENCY TELEPHONE: 770-253-7652, FAX 770-253-7685

address: **Synthetic Exothermics, Inc;** p.o. box 2216, Newnan, Georgia 30264

Chemical name: brass flux trade name and synonyms: **BA315**

PRODUCT IDENTIFICATION

Chemical Name: Inorganic Salts

Chemical Family: Fluorides

Formula: Mixture NFPA/HMIS: Health -3, Fire -0, Reactivity-0, Specific hazard

SECTION II HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION

Hazardous Components

Specific Chemical Identity:

Fluorides as Cryolite

(CAS NO. 13775-53-6, 20-50%

Fluorides as potassium fluoride

(CAS NO.7789-23-3, 20-50%

Fluorides as sodium tetrafluoride

CAS NO. 7681-49-4 20-50%

Fluorides as sodium silicofluoride

CAS NO. 16893-85-9 20-50%

Fluorides as potassium silicofluoride

CAS NO. 16871-90-2 20-50%

Nuisance Dust Respirable

Total Dust

OSHA PEL ACGIH TLV

2.5mg/m3 2.5mg/m3

2.5mg/m3 2.5mg/m3

2.5mg/m3 2.5mg/m3

2.5mg/m3 2.5mg/m3

2.5mg/m3 2.5mg/m3

5mg/m3 5mg/m3

15mg/m3 10mg/m3

SECTION III - PHYSICAL PROPERTIES

molecular weight:nd

melting point (deg. F):2150-2250F

water solubility (wt.%)

vapor pressure (mmhg):na

evaporation rate: nd

specific gravity(water=1):nd

boiling point (deg. C):na

volatiles (wt.%)nd

vapor density (air =1):na

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 F₂ 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 F₂ may be given off when heated to decomposition.

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na= not applicable nd= not determined unk=unknown

SECTION VI- HEALTH HAZARD INFORMATION

CHEMICAL HEALTH HAZARD RATING:

HEALTH =3 (high)
FIRE = 0 (least)
REACTIVITY = 0 (least)
CHRONIC = *

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: NO NTP? No IARC monographs? No OSHA Regulated? No

Medical conditions generally aggravated by exposure. - Respiratory irritant.

Chronic lung damage, scar tissue development in lungs can occur over extended period.

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 tl_v 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: none

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