

NATIONAL WELDING ALLOYS, INC. -- NICKEL SILVER FLUX -- 3439-00-051-2834

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Product Identification
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Product ID:NICKEL SILVER FLUX

MSDS Date:09/01/1995

FSC:3439

NIIN:00-051-2834

MSDS Number: CHQGG

=== Responsible Party ===

Company Name:NATIONAL WELDING ALLOYS, INC.

Address:1600 SOUTH CANAL STREET

City:PITTSBURGH

State:PA

ZIP:15215

Country:US

Info Phone Num:412-781-4255

Emergency Phone Num:4

12-781-4255

CAGE:0ACE2

=== Contractor Identification ===

Company Name:NATIONAL WELDING ALLOYS INC

Address:1600 SOUTH CANAL STREET

Box:City:PITTSBURGH

State:PA

ZIP:15215-2624

Country:US

Phone:412-781-4255

CAGE:0ACE2

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Composition/Information on Ingredients
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Ingred Name:BORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG BORATES/M3

ACGIH TLV:5 MG BORATES/M3

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE

CAS:1303-96-4

RTECS #:VZ227

5000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3; 9596

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Hazards Identification
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LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGESTION MAY CAUSE NAUSEA, VOMITING,
DIARRHEA AND AFTER 24 HOURS, EXYTHEMA, MACULAR SKIN RASH,
DIZZINESS. INHALATION MAY AGGRAVATE CHEONIC RESPIRA
TORY CONDITIONS.
EYE CONTACT MAY CAUSE IRRITATION.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:NAUSEA, VOMITING, DIARRHEA, SKIN REDNESS,
PEELING, MACULAR SKIN RASH, DIZZINESS, EXYTHEMA, RESPIRATORY
IRRITATION EYE IRRITATION.
Medical Cond Aggravated by Exposure:MAY AGGRAVATE CHRONIC RESPIRATORY
CONDITIONS.

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Fir
st Aid Measures
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK.
CONSULT A PHYSICIAN.

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Fire Fighting Measures
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Flash Point:NO
NFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR
SURROUNDING FIRE.
Fire Fighting Procedures:PRODUCT HAS FLAME RETARDANT PROPERTIES. AVOID
ZIRCONIUM (EXPLOSIVE MIXTURE POSSIBLE).
Unusual Fire/Explosion Hazard:NOT A FIRE OR EXPLOSION HAZARD.

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Accidental Release Measures
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Spill Release Procedures:SWEEP OR VACUUM FOLLOWED BY WATER RINSE.
Neutralizing Agent:NONE SPECIFIED BY

MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE FLUX IN A COOL, DRY LOCATION
AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED. AVOID
CONTACT WITH ANY DUSTS, MISTS OR FUMES.

Other Precautions:DO NOT EAT, DRINK OR SMOKE IN WORK AREA. USE WITH
ADEQUATE VENTILATION.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF THE WORK STATION IS NOT PROPERLY VENTILATED

TO EXHAUST ALL FUMES AND VAPORS, USE A NIOSH/MSHA APPROVED MASK.
Ventilation:MAINTAIN AIR FLOW AWAY FROM USER TO REMOVE ALL FUMES AND
DUSTS, SO THAT THE PEL IS NEVER EXCEEDED.

Protective Gloves:CHEMICAL/ACID IMPERVIOUS.

Eye Protection:CHEMICAL TIGHT SAFETY GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE

EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Viscosity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:SILVER PASTE WITH NO

CHARACTERISTIC ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

ZIRCONIUM METAL

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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