

L.B. ALLEN INC -- W-100, SILVER BRAZING POWDER FLUX

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MSDS Safety Information
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FSC: 3439
NIIN: 00-255-9940
MSDS Date: 06/01/2000
MSDS Num: CKTSM
Product ID: W-100, SILVER BRAZING POWDER FLUX
MFN: 02
Responsible Party
Cage: 70279
Name: L.B. ALLEN CO INC
Address: 725 N CENTRAL
City: WOODALE IL 6019
1-1240
Info Phone Number: 708-595-2600
Emergency Phone Number: 708-595-2600
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 70279
Name: L.B. ALLEN CO INC
Address: 725 N CENTRAL
City: WOODALE IL 60191-1240
Phone: 708-595-2600
Cage: 56406
Name: R & D METALS & CHEMICALS, INC
Address: 201C PERIMETER PARK
Box: 22533
City: KNOXVILLE TN 37922-2233
Phone: 423-531-6065 / FAX: 423-5
31-2044
Contract Number: SP0490-00-D-4066

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Item Description Information
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Item Manager: S9G
Item Name: FLUX,WELDING
Specification Number: MIL-F-16136
Unit of Issue: JR
Quantitative Expression: 00000000005LB
UI Container Qty: 0

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Ingredients
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Cas: 7631-99-4
RTECS #: WC5600000
Name

: SODIUM NITRATE

% low Wt: 30.

% high Wt: 60.

OSHA PEL: 2.5 PPM

Cas: 1303-96-4

RTECS #: VZ2275000

Name: SODIUM TETRABORATE

% low Wt: 15.

% high Wt: 30.

OSHA PEL: 2.5 PPM

ACGIH TLV: 5 MG/M3

ACGIH STEL: NOT ESTABLISHED

Cas: 497-19-8

RTECS #: VZ4050000

Name: SODIUM CARBONATE

% low Wt: 15.

% high Wt: 30.

Health Hazards Data

Route

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposure: PRIMARY ROUTES OF ENTRY: FUME INHALATION, INGESTION, SKIN, AND EYES.

Explanation Of Carcinogenicity: NONE LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN.

Signs And Symptoms Of Overexposure: NAUSEA, VOMITING, ABDOMINAL PAIN, MUCOUS MEMBRANE IRRITATION, REDDENING OF SKIN, RASH, DIARRHEA, AND CENTRAL NERVOUS SYSTEM SIMULATION.

Medical Cond Aggravated By Exposure: ANY WEAKNESS OF THE CENTRAL NERVOUS SYSTEM, KIDNEYS, OR LIVER.

First Aid: EYES: FLUSH WITH WATER FOR 10 MINUTES. CALL A PHYSICIAN. SKIN: WASH THOROUGHLY WITH WATER. INHALATION: REMOVE TO FRESH AIR OR ADMINISTER OXYGEN. CALL PHYSICIAN. INGESTION: IF PATIENT IS FULLY CONSCIOUS, GIVE LARGE AMOUNTS WATER. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Handling and Disposal

Spill Release Procedures: CLEAN UP POWDER AND FLUSH REMAINING M

ATERIAL WITH
LOTS OF WATER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL EPA
REGULATIONS.

Handling And Storage Precautions: STORE IN PLASTIC CONTAINERS IN COOL AREA.
AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Autoigni

tion Temp Text: NONE

Lower Limits: NA

Upper Limits: NA

Extinguishing Media: NOT NEEDED.

Fire Fighting Procedures: NORMAL CAUTION WHEN DEALING WITH CHEMICALS.

Unusual Fire/Explosion Hazard: WILL IGNITE ON FRICTION WHEN MIXED WITH ORGANIC
MATTER. EXPLODES WHEN MIXED WITH CYANIDES.

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Control Measures
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Respiratory Protection: NIOSH APPROVED RESPIRATOR.

Ventilation: MECHANICAL (GENERAL)-YES

. LOCAL EXHAUST-YES.

Protective Gloves: RECOMMENDED NIOSH APPROVED.

Eye Protection: SAFETY GLASSES.

Other Protective Equipment: RUBBER APRON.

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Physical/Chemical Properties
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HCC: D1

Melt/Freeze Pt: =700.C, #####F

Spec Gravity: 2.15

Solubility in Water: VERY SOLUBLE.

Appearance and Odor: WHITE ODORLESS POWDER.

Percent Volatiles by Volume: 1.0%

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: EXCESSIVE HEAT.

Materials To Avoid: REDUCING MATERIALS AT HIGH TEMPERATURES.

Hazardous Decomposition Products: FUMES CONTAINING NITROGEN OXIDES AND BORON
OXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Transport Information: D.O.T. PROPER SHIPPING NAME: NON-HAZARDOUS. DETERMINED THAT CORRECT PROPER SHIPPING NAME IS SODIUM NITRATE, CLASS: OXIDIZER.
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 70279
Trans ID NO: 154884
Product ID: W-100, SILVER BRAZING POWDER FLUX
MSDS Prepared Date: 06/01/2000

Review
Date: 10/05/2000
MFN: 2
Net Unit Weight: 5 LBS
Multiple KIT Number: 0
Unit Of Issue: JR
Container QTY: 0
Additional Data: TRANSPORTATION DATA PER MANUFACTURER'S MSDS STATES:D.O.T. PROPER SHIPPING NAME IS: NON-HAZARDOUS. HM IS DETERMINED THAT CORRECT PROPER SHIPPING NAME IS: SODIUM NITRATE, CLASS: OXIDIZER.
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Detail DOT Information
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DOT PSN Code: NHW
DOT Proper Shipping Name: SODIUM NITRATE
Hazard Class: 5.1
UN ID Num: UN1498
DOT Packaging Group: III
Label: OXIDIZER
Special Provision: A1,A29
Packaging Exception: 152
Non Bulk Pack: 213
Bulk Pack: 240
Max Qty Pass: 25 KG
Max Qty Cargo: 100 KG
Vessel Stow Req: A
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Detail IMO Information
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IMO PSN Code: NUP
IMO Proper Shipping Name: SODIUM NITRATE
IMDG Page Number: 5180
UN Number: 1498
UN Hazard Class: 5.1
IMO Packaging

Group: III
Subsidiary Risk Label: -
EMS Number: 5.1-06
MED First Aid Guide NUM: 235

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Detail IATA Information
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IATA PSN Code: WUC
IATA UN ID Num: 1498
IATA Proper Shipping Name: SODIUM NITRATE
IATA UN Class: 5.1
IATA Label: OXIDIZER
UN Packing Group: III
Packing Note Passenger: 516
Max Quant Pass: 25KG
Max Quant Cargo: 100KG
Packaging Note Cargo: 518

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Detail AFI Information
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AFI PSN Code: WUC
AFI Proper Shipping Name: SODIUM NITRATE
AFI Hazard Class: 5.1
AFI UN ID NUM: UN1498
AFI Packing Group: III
Special Provisions: P5, A1, A29
Back Pack Reference: A9.8

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HAZCOM Label
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Product ID: W-100, SILVER BRAZING POWDER FLUX
Cage: 70279
Company Name: L.B. ALLEN CO INC
S
treet: 725 N CENTRAL
City: WOODALE IL
Zipcode: 60191-1240
Health Emergency Phone: 708-595-2600
Label Required IND: Y
Date Of Label Review: 10/05/2000
Status Code: A
Label Date: 10/05/2000
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: PRIMARY ROUTES OF ENTRY: FUME INHALATION, INGESTION,
SKIN, AND EYES. FIRST AI

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PHYSICIAN. SKIN: WASH THOROUGHLY WITH WATER. INHALATION: MOVE TO FRESH AIR
OR ADMINISTER OXYGEN. CALL A PHYSICIAN. INGESTION: IF PATIENT IS FULLY
CONSCIOUS, GIVE LARGE AMOUNTS WATER. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

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