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## R & D METALS AND CHEMICALS INC -- SILVER SOLDER FLUX 601 -- 3439-00-914-8390

Product ID:SILVER SOLDER FLUX 601

MSDS Date:02/26/1998

FSC:3439

NIIN:00-914-8390 Status Code:A

MSDS Number: CKSFW === Responsible Party ===

Company Name: R & D METALS AND CHEMICALS INC

Address:201C PERIMETER PARK

Box:22533

City:KNOXVILLE

State:TN ZIP:37922 Country:US

Info Phone Num:423 -531-6065/800-645-7476

Emergency Phone Num:423-531-6065

CAGE:56406

=== Contractor Identification ===

Company Name: R & D METALS & CHEMICALS, INC

Address:201C PERIMETER PARK

Box:22533

City:KNOXVILLE

State:TN

ZIP:37922-2233

Country:US

Phone: 423-531-6065 / FAX: 423-531-2044

Contract Num:SP0490-00-M-BL54

CAGE:56406

====== Composition/Information on Ingredients ========

Ingred Name: POTASSIUM TETRABORATE

CAS:1332-77-0 Minumum % Wt:15. Maxumum % Wt:25.

Other REC Limits:TLV 5.0 MG/M3

Ing

Minumum % Wt:15.  Maxumum % Wt:30.  Other REC Limits:NONE RECOMMENDED  OSHA PEL:10 MG BORATES/M3  ACGIH TLV:5 MG BORATES/M3
Ingred Name:POTASSIUM FLUOBORATE CAS:14075-53-7 RTECS #:ED2800000 Minumum % Wt:7. Maxumum % Wt:15. Other REC Limits:NONE RECOMMENDED OSHA PEL:2.5 MG/M3 AS F ACGIH TLV:2.5 MG/M3 AS F
Ingred Name:POTASSIUM FLUOROHYDROBORATE CAS:12228-71-6 Minumum % Wt:30. Maxumum % Wt:45.
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY CAUSE SALIVATION, COUGHING, CHOKING, CHILLS. CHRONIC: MAY CAUSE WEIGHT LOSS, BRITTLE BONES, ANEMIA, WEAKNESS, STIFF JOINTS. Explanation of Carcinogenicity:NONE Effects of Overexposure:SALIVATION, COUGHING, CHOCKING, CHILLS, WEIGHT LOSS, BRITTLE BONES, ANEMIA, WEAKNESS, STIFF JOINTS. Medical Cond Aggravated by Exposure:ANY WEAKNESS OF THE LUNGS, KIDNEYS, LIVER WILL BE AGGRAVATED.
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First Aid:INHALATION: REMOVE FROM CONTAMINATED AREA. EYES: WASH THOROUGHLY WITH WATER AND CALL A PHYSICIAN. SKIN: WASH THOROUGHLY WITH WATER. INGESTION: DRINK WATER OR MILK AND CALL PHYSICIAN.
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Flash Point:NONE Extinguishing Media:NOT NEEDED. Fire Fighting Procedures:NORM

red Name:BORIC ACID

CAS:10043-35-3 RTECS #:ED4550000

CHEMICALS. Unusual Fire/Explosion Hazard:WILL RELEASE BORON TRIOXIDE FUMES UPON DECOMPOSITION.
======== Accidental Release Measures =========
Spill Release Procedures:CLEAN UP PASTE AND FLUSH RESIDUAL MATERIAL WITH LOTS OF WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling and Storage Precautions:DO NOT STORE IN GLASS OR PORCELAIN CONTAINE
RS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
Other Precautions:KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT.
====== Exposure Controls/Personal Protection =======
Respiratory Protection:WEAR NIOSH APPROVED RESPIRATOR IN ABSENCE OF PROPER VENTILATION.  Ventilation:TO REMOVE FUMES  Protective Gloves:WEAR RUBBER OR PLASTIC COATED GLOVES.  Eye Protection:WEAR SAFETY GOGGLES.  Other Protective Equipment:WEAR RUBBER APRON TO PROTECT SKIN AND CLOT  HING.  Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSING. Supplemental Safety and Health
========= Physical/Chemical Properties =========
HCC:N1 Spec Gravity:1.6 Evaporation Rate & DEPATE Solubility in Water:MODERATE Appearance and Odor:WHITE ODORLESS PASTE. Percent Volatiles by Volume:30
========= Stability and Reactivity Data =========
Stability Indicato

AL CAUTION WHEN DEALING WITH FLUX

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

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

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