

R & D METALS & CHEMICALS INC -- WELDING FLUX -- 3439-00-914-8390

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Product Identification
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Product ID:WELDING FLUX

MSDS Date:01/02/1998

FSC:3439

NIIN:00-914-8390

MSDS Number: CGLDP

=== Responsible Party ===

Company Name:R & D METALS & CHEMICALS INC

Address:201C PERIMETER PK

City:KNOXVILLE (FORMALLY IN PLAINVIEW,NY)

State:TN

ZIP:37922

Country:US

Info Phone Num:800-645-7476

Emergency Phone

Num:800-645-7476

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

CAGE:56406

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM TETRAFLUOBORATE

CAS:14075-53-7

RTECS #:ED2800000

Fraction by Wt: 30-45%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2.5 MG/M3 AS F

ACGIH TLV:2.5 MG/M3 AS F

Ingred

Name:POTASSIUM BORATE
CAS:1332-77-0
Fraction by Wt: 15-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: 15-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG BORATES/M3
ACGIH TLV:5 MG BORATES/M3

Ingred Name:POTASSIUM TETRAFLUOBORATE
CAS:14075-53-7
RTECS #:ED2800000
Fraction by Wt: 7-15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F

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===== Hazards Identification =====
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LD50 LC50 Mixture:TLV: 2.5 MG/M3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Effects of Overexposure:ACUTE OVEREXPOSURE: SALIVATION, COUGHING,
CHOKING & CHILLS. CHRONIC OVEREXPOSURE: MAY CAUSE WEIGHT LOSS,
BRITTLE BONES, ANEMIA, WEAKNESS & STIFF JOINTS.
Medical Cond Aggravated by Exposure:ANY WEAKNESS OF THE LUNGS, KIDNEYS
OR LIVER WILL BE AGGRAVATED.

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===== First Aid Measures =====
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First Aid:EYES: WASH THOROUGHLY WITH WATER AND CALL A PHYSICIAN. SKIN:
WASH THOROUGHLY WITH WATER. INHALATION: REMOVE FROM CONTAMINATED
AREA. INGESTION: DRINK WATER OR MILK AND CALL A PHYSICIAN.

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===== Fire Fighting Measures =====
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Flash Point:NONE
Extinguishing Media:NOT NEEDED.
Fire Fighting Procedures:NORMAL CAUTION WHEN DEALING WITH FLUX
CHEMICALS.
Unusual Fire/Explosion Hazard:WILL RELEASE BORON TRIOXIDE FUMES UPON
DECOMPOSTION.

===== Accidental Release Measures =====

Spill Release Procedures:CLEAN UP PASTE AND FLUSH REMAINING MATERIAL WITH LOTS OF WATER.

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

Handling and Storage Precautions:DO NOT STORE IN GLASS OR PORCELAIN CONTAINERS. 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:NIOSH APPROVED RESPIRATOR IN ABSENCE OF PROPER VENTILATION.

Ventilation:LOCAL EXHAUST OR MECHANICAL VENTILATION TO REMOVE FUMES.

Protective Gloves:RUBBER OR PLASTIC COATED.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:RUBBER APRON.

Supplemental Safety and Health
NONE

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

HCC:N1

Spec Gravity:1.6

Evaporation Rate & Reference:0.3 (NO REFERENCE)

Solubility in Water

:MODERATE

Appearance and Odor:WHITE ODORLESS PASTE.

Percent Volatiles by Volume:30

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

Stability Indicator/Materials to Avoid:YES
GLASS OR PORCELAIN.

Stability Condition to Avoid:EXCESS HEAT.

Hazardous Decomposition Products:B2O3 FUMES, KBF4

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

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

Disclaimer (provided with this info)

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