

R & D METALS AND CHEMICALS INC -- R & D NO. 14 (ALUMINUM WELDING POWDER FLUX) --
3439-00-255-4576

===== Product Identification =====

Product ID:R & D NO. 14 (ALUMINUM WELDING POWDER FLUX)

MSDS Date:05/13/1997

FSC:3439

NIIN:00-255-4576

Status Code:A

MSDS Number: CKNQS

=== 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:1-800-645-7476

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

Company Name:TRIMAN INDUSTRIES INC

Address:420 COMMERCE LN SUITE 8

Box:City:WEST BERLIN

State:NJ

ZIP:08091

Country:US

Phone:856-767-7945 /FAX: 856-767-7154

Contract Num:SP040

0-00-V-0904
CAGE:0ZBE8

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM CHLORIDE
CAS:7447-40-7
RTECS #:TS8050000
Minumum % Wt:20.
Maxumum % Wt:30.
OSHA PEL:10 PPM

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Minumum % Wt:45.
Maxumum % Wt:60.
OSHA PEL:10 PPM

Ingred Name:LITHIUM CHLORIDE
CAS:7447-41-8
RTECS #:OJ5950000
Minumum % Wt:8.
Maxumum % Wt:20.
OSHA PEL:2.5 PPM

Ingred Name:SODIUM FLUORIDE
CAS:7681-49-4
RTECS #:WB0350000
Minumum %
Wt:8.
Maxumum % Wt:20.
OSHA PEL:2.5 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 ORAL (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:1. ACUTE OVEREXPOSURE: NAUSEA,
VOMITING, ABDOMINAL PAIN, MUCOUS MEMBRANE IRRITATION AND DIARRHEA.
2. CHRONIC OVEREXPOSURE: NF
Explanation of Carcinogenicity:NONE.
Effects of Overexposure:ACUTE: NAUSEA,

VOMITING, ABDOMINAL PAIN, MUCOUS
MEMBRANE IRRITATION, DIARRHEA.

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY CONDITION.

===== First Aid Measures =====

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

===== Fire
Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:NOT NEEDED.
Fire Fighting Procedures:NORMAL CAUTION WHEN DEALING WITH CHEMICALS.
Unusual Fire/Explosion Hazard:CHLORIDE AND FLUORIDE FUMES.

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

Spill Release Procedures:CLEAN UP PASTE AND FLUSH REMAINING MATERIAL
WITH LOTS OF WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and S
torage =====

Handling and Storage Precautions: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.
Ventilation:VENTILATION: YES; LOCAL EXHAUST/MECHANICAL (GENERAL): YES.
Protective Gloves:RECOMMENDED, NIOSH APPROVED.
Eye Protection:SAFETY GOGGLES.
Other Protective Equipment
:RUBBER APRON.
Work Hygienic Practices:AVOID CONTACT WITH SKIN AND CLOTHING.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:T6
Melt/Freeze Pt:=-815.C, #####F
Spec Gravity:2.1 (WATER=1)
Solubility in Water:VERY SOLUBLE.
Appearance and Odor:WHITE ODORLESS POWDER.

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

Stability Indicator/Materials to Avoid:YES
WATER, BORON TRIFLUORIDE AND STRO

NG ACID.

Stability Condition to Avoid:MOIST CONDITIONS.

Hazardous Decomposition Products:CHLORIDE AND FLUORIDE FUMES.

Conditions to Avoid Polymerization:EXPOSURE TO WATER.

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

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

===== MSDS Transport Information =====

Transport Information:NON-HAZARDOUS, NOT REGULATED.

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