

R & D METALS AND CHEMICALS INC -- 3200 PASTE FLUX -- 3439-00-255-4566

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Product Identification
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Product ID:3200 PASTE FLUX

MSDS Date:05/18/1994

FSC:3439

NIIN:00-255-4566

Status Code:A

MSDS Number: CLCGL

=== Responsible Party ===

Company Name:R & D METALS AND CHEMICALS INC

Address:201 PERIMETER PK SUITE C

Box:22533

City:KNOXVILLE

State:TN

ZIP:37922-2233

Country:US

Info Phone Num:865-531

-6065/800-645-7476

Emergency Phone Num:914-946-1611

Resp. Party Other MSDS Num.:MSDS10.1

Preparer's Name:MARK STALTER

Chemtrec Ind/Phone:(800)424-9300

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-Q946

CAGE:56406

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Composition/Information on Ingredients
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Ingred Name:PETROLATUM

CAS:8009-03-8
RTECS #:SE6780000
Minumum % Wt:70.
Maxumum % Wt:80.
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:NOT AVAILABLE

Ingred Name:ZINC CHLORIDE
CAS:7646-85-7
RTECS #:ZH1400000
Minumum % Wt:14.
Maxumum % Wt:16.
Other REC Limits:NOT PROVIDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
ACGIH STEL:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:AMMONIUM CHLORIDE
CAS:12125-02-9
RTECS #:BP4550000
Minumum % Wt:1.
Maxumum % Wt:2.
Other REC Limits:NOT PROVIDED
OSHA P
EL:NOT AVAILABLE
ACGIH TLV:10 MG/M3
ACGIH STEL:20 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: SEVERE IRRITANT. MAY CAUSE
CORNEAL INJURY. SKIN CONTACT: SEVERE IRRITANT, MAY CAUSE BURNS AND
ULCERATION. SKIN ABSORPTION: NOT KNOWN TO BE ABSORBENT THROUGH THE
SKIN. INGESTION: MAY CAUSE INTERNA L

ULCERATION. INHALATION:

DEPENDING ON TEMPERATURE, ZINC COMPOUNDS AND ACID FUMES COULD BE EMITTED WHICH WOULD BE SEVERE IRRITANTS. ZINC CHLORIDE FUMES MAY CAUSE INJURY TO THE RESPIRATORY TRACT. SEVERE EXPOSURE MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE: SEVERE IRRITANT. SKIN CONTACT: SEVERE IRRITANT, MAY CAUSE BURNS AND ULCERATION. INGESTION: MAY CAUSE INTERNAL ULCERATION. INHALATION: DEPENDING ON TEMPERATURE, ZINC COMPOUND

S AND ACID FUMES COULD BE EMITTED WHICH WOULD BE SEVERE IRRITANTS.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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First Aid Measures
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First Aid:EYE: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. FLUSH SKIN WITH PLENTY OF HAND SOAP AND WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: GET MEDICAL HELP IMMEDIATELY. GIVE LARGE QUANTITIES OF WATER OR MILK. DO NOT INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point:NOT DETERMINED

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:DRY CHEMICAL, CO2, FOAM, WATERFOG

Fire Fighting Procedures:WATER SPRAY IS AN UNSUITABLE EXTINGUISHING AGENT. FIRE FIGHTERS SHOULD USE SELF CONTAINED BREATHING APPARATUS TO PROTECT AGAINST INHALATION.

Unusual Fire/Explosion Hazard:MAY RELEASE

ZINC OXIDE FUMES, ZINC

CHLORIDE FUMES AND HYDROGEN CHLORIDE GAS IN A FIRE.

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Accidental Release Measures
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Spill Release Procedures:AFTER COOLING AND SOLIDIFICATION, SCRAPE AND/OR SHOVEL UP MATERIAL. CLEAN AREA WITH AN OIL ABSORBENT MATERIAL. STORE SPILLS IN PLASTIC LINED DRUMS.

Neutralizing Agent:NOT PROVIDED

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL, DRY AREA.

Other Pre

cautions:NOT PROVIDED

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

Respiratory Protection:REQUIRED ONLY IF TLV'S CAN NOT BE MAINTAINED.
Ventilation:LOCAL VENTILATION REQUIRED TO PREVENT OPERATORS FROM BREATHING FUMES.

Protective Gloves:USE RUBBER GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UN

KNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT DETERMINED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:0.913 G/CC

Evaporation Rate & Reference:NOT DETERMINED

Solubility in Water:SLIGHT

Appearance and Odor:WHITE PASTE, SLIGHTLY PUNGENT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CYANIDES AND SULFIDES

Stability Condition to Avoid:KEEP AWAY FROM FLAME, HEAT '250 DEGREES F MAX'

Hazardous Decomposition Products:UPON COMBUSTION, CARBON MONOXIDE AND CARBON DIOXIDE ARE GENERATED

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information ==

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Ecological:NOT PROVIDED

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

Waste Disposal Methods:DISPOSE OF IN ACCORDNACE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

Transport Information:NOT PROVIDED

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS A CHEMICAL SUBJECT TO SECTION 313 OF SARA TITLE I I I.

Feder
al Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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