

R & D METALS & CHEMICALS INC -- 711-35 FLUX -- 3439-00-009-8808

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Product Identification
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Product ID:711-35 FLUX

MSDS Date:07/22/1992

FSC:3439

NIIN:00-009-8808

MSDS Number: CCLMN

=== 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 N

um: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:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:S

EC-BUTYL ALCOHOL (SARA 313)

CAS:78-92-2

RTECS #:EO1750000

Fraction by Wt: 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:150 PPM

ACGIH TLV:100 PPM; 9596

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Repor

ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EXPOSURE MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DEFATTING, DERMATITIS. INGESTION MAY GI TRACT IRRITATION.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:EYES-IRRITATION, TEARING, BLURRED VISION.

SKIN-DEFATTING, DERMATITIS. INGESTED-GI TRACT IRRITATION, NAUSEA,

VOMITING, DIARRHEA. INHALED-RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, HEADACHE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. INGESTED-CONTACT POISON CONTROL CENTER AND OBTAIN IMMEDIATE MED

ICAL ATTENTION. NOTHING BY MOUTH IF
UNCONSCIOUS.

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

Flash Point Method:TCC

Flash Point:=17.8C, 64.F

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED
CONTAINERS.

Unusual Fire/Explosion Hazard:NONE.

===== Accidental Release Measures
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Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER
PERSONAL PROTECTIVE EQUIPMENT. VENTILATE AREA. ABSORB ON INERT
MATERIAL. PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
PLACE AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS.
KEEP CONTAINER CLOSED
WHEN NOT IN USE.

Other Precautions:AVOID USE OF BRASS MATERIALS TO STORE OR TRANSFER
PRODUCT. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO
NOT TAKE INTERNALLY.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH
ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS
REQUIRED. USE IAW 29 CFR 1910

.134.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR
LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE, PLASTIC.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

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HCC:F2

Boiling Pt:=82.2C, 180.F

Vapor Pres:33

Vapor Density:2.1

Spec Gravity:0.875

Evaporation Rate & Reference:2.8 (METHOD NOT GIVEN)

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR, AMBER LIQUID; NOT RESIDUAL ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE.

Conditions to

Avoid Polymerization:WILL NOT OCCUR.

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

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

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