

R & D METALS AND CHEMICALS INC -- 611 MILDLY ACTIVATED ROSIN FLUX -- 3439-01-395-2947

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

Product ID:611 MILDLY ACTIVATED ROSIN FLUX

MSDS Date:05/25/1995

FSC:3439

NIIN:01-395-2947

Status Code:A

MSDS Number: CJVNR

=== 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

Emergency Phone Num:800-645-7476

CAGE:56406

=== Contractor Identification ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND, ATTN: DSCR-VBA

Address:8000 JEFFERSON DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297-5607

Country:US

Phone:804-279-4371, DSN 695-4371

CAGE:SO004

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

===== Com

position/Information on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Minumum % Wt:55.
Maxumum % Wt:65.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:ROSIN
CAS:8050-09-7
RTECS #:VL0480000
Minumum % Wt:30.
Maxumum % Wt:40.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE PROVIDED BY MFR.
Routes of Entry: Inhalation:YES
Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION:EXPOSURE TO ROSIN FUME MAY CAUSE DIZZINESS AND HEADACHE. MAY ALSO CAUSE ALLERGIC REACTION SUCH AS RASH OR SORE THROAT & RESPIRATORY IRRITATION IN SENSITIVE PERSONS. INGESTION: CAN CAUSE GAS TROINTESTINAL IRRITATION, NAUSA, VOMITING AND DIARRHEA. SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE DEFATTING DERMATITIS. EYES: POSSIBLE IRRITATION, TEARING, BLU
RRED VISION. CHRONIC TOXICITY: OVERE SPOSURE TO ISOPROPYL ALCOHOL HAS BEEN SUGGESTED AS A POSSIBLE CAUSE OF KIDNEY DAMAGE.
Explanation of Carcinogenicity:PER MSDS: LISTED CARCINOGEN: NONE.
Effects of Overexposure:DIZZINESS, HEADACHES, ALLERGIC REACTIONS (RASH), SORE THROAT, RESPIRATORY IRRITATION, GASTROINTESTINAL IRRATION, NAUSEA, VOMITING, DIARRHA, DERFATTING DERMATITIS, EYE IRRITATION, TEARING, BLURRED VISI ON, KIDNEY DAMAGE.
Medical Cond Aggravated by Exposure:NONE PROVIDED BY MFR.

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

First Aid:INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. EYE: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATT

ENTION.

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

Flash Point Method:TCC

Flash Point:=16.7C, 62.F

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:KEEP AWAY FROM POTENTIAL IGNITION SOURCES. VENTILATE IF IN ENCLOSED AREA. ADD ABSORBENT AND SCOOP INTO APPROPRIATE CONTAINER. TRANSFER TO HOOD AND EVAPORATE OR SEAL FOR WASTE DISPOSAL.

Neutralizing Agent:NONE PROVIDED BY MFR.

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

Handling and Storage Precautions:OBSERVE PRECAUTIONS FOR FLAMMABLE LIQUID. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE AWAY FROM IGNITION SOURCES. STORE IN COOL DRY AREA. STORE IN AREA WITH ADEQUATE VENTILATION. READ ALL CONTAINER LABELING. AVOID BRASS DRUM SPIGOTS. USE POLYETHYLENE, POLYPROPYLENE, TEFLON, OR STAINLESS STEEL.

Other Precautions:CONTAINERS: SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR,LIQUID OR SOLID) ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS.

Ve

ntilation:LOCAL EXHAUST AND MECHANICAL (GENERAL).
Protective Gloves:RESISTANT SUCH AS RUBBER, NEOPRENE, PLASTIC.
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:EYE BATH CLOSE BY IS RECOMMENDED.
Work Hygienic Practices:NONE PROVIDED BY MFR.
Supplemental Safety and Health
NONE PROVIDED BY MFR.

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

HCC:F2
Boiling Pt:=82.2C, 180.F
Melt/Freeze Pt:M.P/F.P Text:NONE PROVIDED BY MFR.
Decomp Temp:Decomp Text:NONE PROVID
ED BY MFR.
Vapor Pres:33 (MM HG)
Vapor Density:1 (AIR=1)
Spec Gravity:0.896 (H2O=1) @ 77 DEG F
pH:NP
Viscosity:NONE PROVIDED BY MFR.
Evaporation Rate & Reference:2.8
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR, AMBER COLORED LIQUID, NON-RESIDUAL ODOR
Percent Volatiles by Volume:63
Corrosion Rate:NONE PROVIDED BY MFR

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:HE
AT, SPARKS, AND OPEN FLAMES.
Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NONE PROVIDED BY MFR.

===== Ecological Information =====

Ecological:NONE PROVIDED BY MFR.

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

Waste Disposal Methods:DESTROY BY APPROVED INCINERATION OR D

EPOSIT IN

APPROVED LANDFILL. MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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