

R & D METALS & CHEMICALS INC -- 611 MIILDLY ACTIVATED ROSIN FLUX -- 3439-00-069-5815

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Product Identification
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Product ID:611 MIILDLY ACTIVATED ROSIN FLUX

MSDS Date:01/06/1999

FSC:3439

NIIN:00-069-5815

MSDS Number: CJDGT

=== Responsible Party ===

Company Name:R & D METALS & CHEMICALS INC

Address:201 PERIMETER PK SUITE C

Box:22533

City:KNOXVILLE

State:TN

ZIP:37922-2233

Country:US

Info Pho

ne Num:615-531-6065

Emergency Phone Num:615-531-6065/800-645-7476

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

Contract Num:SP0 490-99-M-N486

CAGE:56406

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

Contra

t Num:SP0490-01D-5302
CAGE:56406

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL
CAS:67-63-0
RTECS #:NT8050000
Minumum % Wt:55.
Maxumum % Wt:65.
OSHA PEL:980 MG/M3;400 PPM
OSHA STEL:500 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ROSIN
CAS:8050-09-7
RTECS #:VL0480000
Minumum % Wt:30.
Maxumum % Wt:40.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.01 MG/CUM

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Hazards Identifi
cation
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SKIN: PROLONGED OR REPEATED
SKIN CONTACT CAN CAUSE DEFATTING AND DERMATITIS. EYES: MAY CAUSE
SEVERE IRRITATION, TEARING, BLURRED VISION. INGESTION: ASPIRATION
HAZARD IF SWALLOWED. CAN CAUSE GAS TROINTESTINAL TRACT IRRITATION,
NAUSEA, VOMITING, AND DIARRHEA. INHALATION: EXPOSURE TO ROSIN FUME
MAY C
AUSE DIZZINESS AND HEADACHE. MAY ALSO CAUSE AN ALLERGIC
REACTION SUCH AS RASH OR THROAT AND RESP IRATORY IRRITATION IN A
SENSITIVE PERSON. CHRONIC: OVEREXPOSURE TO ISOPROPYL ALCOHOL HAS
BEEN SUGGESTED AS A POSSIBLE CAUSE OF KIDNEY DAMAGE IN HUMAN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:DIZZINESS, IRRITATION, HEADACHE, TEARING,
BLURRED VISION, RASH, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated by Exposure:PREEXISTING DISEASES OF THE EYES,
SKIN, RESP

IRATORY TRACT, KIDNEY MAY BE AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT.

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

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

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

Flash Point Method:TCC
Flash Point:=-17.C, 62.6F
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

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. ADD NON-FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE AND SCOOP INTO APPROPRIATE CONTAINER. TRANSFER TO HOOD AND EVAPORATE OR SEAL FOR WASTE DISPOSAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED WHEN NOT IN USE.
READ ALL CONTAINER LABELLING. AVOID THE USE OF BRASS DRUM SPIGOTS. USE POLYETHYLENE, POLYPROPYLENE, TEFLON, OR STAINLESS STEEL.
Other Precautions:FLAMMABLE. SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, OR SOLID), ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY.

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===== Exp

osure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF THRESHOLD LIMIT VALUE IS EXCEEDED, WEAR A
NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST, EXPLOSION-PROOF
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE OR PLASTIC.

Eye Protection:CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA APPROVED
RESPIRATORS ADVISED.

Other

Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY
SHOWER, LAB COAT.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING,
DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=82.2C, 180.F

B.P. Text:(760 MM HG)

Vapor Pres:33 (MM HG AT 20 DEG C)

Vapor Density:1

Spec Gravity:0.896 (H2O=1) @ 77F

Evaporation Rate &

amp; Reference:2.8

Solubility in Water:SLIGHT.

Appearance and Odor:CLEAR, AMBER COLORED LIQUID; NON-RESIDUAL ODOR.

Percent Volatiles by Volume:63% BY WT.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:SPARKS, HEAT, OPEN FLAMES.

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON
DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. DESTROY BY APPROVED INCINERATION OR DEPOSIT IN APPROVED LANDFILL.

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

SARA Title III Information:NONE

Federal Regulatory Information:TSCA: ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

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