

R & D METALS & CHEMICALS INC -- R&D #100 FLUX, SOLDERING, LIQUID -- 3439-00-220-3827

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Product Identification
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Product ID:R&D #100 FLUX, SOLDERING, LIQUID

MSDS Date:11/12/1997

FSC:3439

NIIN:00-220-3827

MSDS Number: CFYWR

=== 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

Inf

o Phone Num:800-645-7476

Emergency Phone Num: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: 50-75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:ROSIN, GUM

CAS:8050-09-7

Fraction by Wt: 35-45%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES- CAN CAUSE SEVERE IRRITATION.

SKIN- PROLONGED OR REPEATED CONTACT CAN CAUSE DEFATTING DERMATITIS.

MAY ALSO CAUSE AN ALLERGIC SKIN REACTION. INHALA

TION- EXPOSURE TO

ROSIN FUME MAY CAUSE DIZZINESS AND HEADACHE. MAY CAUSE ALLERGIC

REACTION. INGESTION- ASPIRATION INTO THE LUNGS MAY CAUSE

PNEUMONITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES- TEARING, BLURRED VISION. SKIN- RASH.

INHALATION- DIZZINESS AND HEADACHE.

Medical Cond Aggravated by Exposure:CHEMICAL HYPERSENSITIVITY AND

DISEASES OF THE LUNGS.

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

First Aid:CALL PHYSICIAN I

F SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH

WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.

SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE

CPR/OXYGEN IF NEEDED. ORAL: CALL A PHYSICIAN/POISON CONTROL CENTER

IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS

UNCONSCIOUS OR HAS CONVULSIONS.

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

Flash Point Method:TCC

Flash Point:68.0F,20.0C

Lower Limits:2

Upper Limits:1

Extinguishing Media: CARBON DIOXIDE OR DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: CONTAINERS MAY RUPTURE DUE TO HEAT OF FIRE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANCE FROM HANDLING SITE; FLASH-FIRE CAN RESULT.

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

Spill Release

Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH PUMP (EXPLOSION PROOF) / WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent: DILUTE WITH WATER

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

Handling and Storage Precautions: STORE IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. KEEP AWAY FROM INCOMPATIBLE MATERIALS. DO NOT STORE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

Other Precautions: EMPTY CONTAINER RETAINS RESIDUE. DO NOT CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINER TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. ALWAYS GROUND AND BOND CONTAINER BEFORE TRANSFERRING.

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

Respiratory Protection: IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves: NATURAL RUBBER, NEOPRENE, LATEX

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF A

NY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:180F,82C

Vapor Pres:33 @ 20C

Vapor Density:2.0

Spec Gravity:0.898

Evaporation Rate & Reference:2.8 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor

:CLEAR, AMBER LIQUID, NON-RESIDUAL ODOR.

Percent Volatiles by Volume:60

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE, ABIETIC ACID, ALIPHATIC ALDEHYDES, TERPENES AND OTHER ACIDS.

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

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Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY, THOROUGHLY RINSE C ONTAINER WITH WATER BEFORE DISPOSAL.

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