

BOW SOLDER PRODUCTS CO INC -- 1015,815,825,835,1025,1035,1012 MM,1067 -- 3439-01-007-5494
===== Product Identification =====

Product ID:1015,815,825,835,1025,1035,1012 MM,1067

MSDS Date:06/01/1990

FSC:3439

NIIN:01-007-5494

MSDS Number: BPPDN

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO INC

Address:900 HOBSON ST

Box:488

City:UNION

State:NJ

ZIP:07083

Country:US

Info Phone Num:201-6

86-6040/800-526-4496

Emergency Phone Num:800-535-5053/800-526-4496

CAGE:52329

=== Contractor Identification ===

Company Name:BOW ELECTRONIC SOLDERS

Address:1 CROSSMAN ROAD

Box:City:SAYREVILLE

State:NJ

ZIP:08872

Country:US

Phone:732-316-2100/ FAX: 732-316-2177

CAGE:52329

Company Name:NOVELL INC

Address:6034 W COURTYARD DR NO 220

Box:City:AUSTIN

State:TX

ZIP:78730

Country:US

Phone:512-346-8380

CAGE:0KGU4

===== Composition/Information on Ingredients =====

Ingred Name:ROSIN

CAS:8

050-09-3

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHYL CARBINOL

Fraction by Wt: 60%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM (MFR)

ACGIH TLV:400 PPM (MFR)

Ingred Name:PETROLEUM DISTILLATE

CAS:68551-16-6

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 MG/M3 (MFR)

ACGIH TLV:900 MG/M3 (MFR)

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogeni

ty:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- EYE:MAY CAUSE

IRRITATION,TEARING & REDNESS. SKIN:PROLONGED/REPEATED CONTACT WILL CAUSE DRYNESS. INHALE:MAY CAUSE DROWSINESS, DIZZINESS, NAUSEA, HEADACHE. INGEST:MAY CAUSE NAUSEA, VOMITING. ASPIRATION MAY BE FATAL. CHRONIC- MAY CAUSE SKIN DRYNESS, HEADACHE, NAUSEA, COUGH & LOSS OF BALANCE.

Effects of Overexposure:MAY CAUSE EYE IRRITATION, TEARING & REDNESS.

PROLONGED/REPEATED SKIN CONTACT WILL CAUSE DRYNE

SS. INHALATION MAY

CAUSE DROWSINESS, DIZZINESS, NAUSEA, HEADACHE. INGESTION MAY CAUSE NAUSEA, VOMITING. ASP IRATION MAY BE FATAL.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY OR SKIN DISEASES MAY BE AT AN INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====
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First Aid:GET PROMPT MEDICAL ATTENTION IN ALL CASES. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINU

TES, HOLDING EYELIDS OPEN. SKIN:WASH WELL WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER.

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

Flash Point:53.0F,11.7C

Lower Limits:2.5

Upper Limits:12

Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FLAMMABLE. OVERHEATED, CLOSED CONTAINERS ADJACENT TO FIRE COULD EXPLODE DUE TO INTERNAL PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT.ELIMINATE SOURCES OF IGNITION.VENTILATE THE AREA.STOP LEAK IF POSSIBLE.CONTAIN THE SPILL.COVER WITH ABSORBENT MATERIALS AS NEEDED.COLLECT THE SPILLED MATERIAL USING NON-SPARKING TOOLS.PLACE IN DOT APPROVED METAL CONTAINERS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE- STORE IN COOL, WELL VENTILATED AREA AWAY FROM HEAT, SPARKS & OTHER SOURCES OF IGNITION.

Other Precautions:AVOID BREATHING VAPOR/MIST.AVOID CONTACT WITH EYES & SKIN.STORE IN TIGHTLY CLOSED CONTAINERS.FOR INDUSTRIAL USE ONLY.VAPORS CAN BE IGNITED EASILY.UTILIZE PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING THE PRODUCT.KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR/POWERED AIR-PURIFYING RESPIRATOR.FOR EMERGENCY USE SELF-CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:USE EXPLOSION-PROOF VENTILATION EQUIPMENT. THE USE OF MECHANICAL

AL DILUTION VENTILATION IF MATERIAL IS HEATED/AGITATED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING, APRON, AND BOOTS IF SPILLS OR SPLASHING CAN OCCUR.

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

===== Physical/Chemical Properties

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HCC:F2

Boiling Pt:=32.5C, 90.5F

Vapor Pres:35

Vapor Density:2.07

Spec Gravity:0.832

Solubility in Water:PARTIAL

Appearance and Odor:AMBER LIQUID, ETHEREAL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRIC AND SULFURIC ACIDS

Stability Condition to Avoid:HEAT, SPARKS, FLAMES, HOT SURFACES, STATIC

ELECTRICITY AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CAR

BON MONOXIDE & DIOXIDE

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

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

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