

**RIDGEFILLER, BASECOAT, TOPCOAT, FAST FINISH, NAIL HARDENER**

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**\*\*\* SECTION I: General Information (Product Manufacturer) \*\*\***

**RJM INTERNATIONAL**  
P.O. BOX 43381  
CINCINNATI  
EPA #:

OH 45243

Emer. Phone: (800) 345-5441  
Info. Phone: (800) 345-5441  
Date Prepared: 9/15/93  
ORM-D? N

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**\*\*\* SECTION II: Hazardous Ingredients/Identity Information \*\*\***

Hazardous Component	CAS Reg #	OSHA PEL
ETHYL ACETATE ACGIH TLV: 400 ppm      Other:	141786	400 ppm %: 10 - 35
N-BUTYL ACETATE ACGIH TLV: 150      Other:	123864	150 %: 20 - 35
TOLUENE ACGIH TLV: 100      Other:	108883	200 %: 10 - 25
ISOPROPLY ALCOHOL ACGIH TLV: 400      Other:	67630	400 %: 5 - 10
DIIBUTYL PHTHALATE ACGIH TLV: 5MG/M3      Other:	84742	5MG/M3 %: 5 - 10
CAMPHOR ACGIH TLV: 3PPM      Other:	76222	2PPM %: .2 - 5
NITROCELLULOSE ACGIH TLV: N/E      Other:	9004700	N/E %: 7 - 15

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**\*\*\* SECTION III: Physical/Chemical Characteristics \*\*\***

Specific Gravity: .948-.984	Method:
Vapor Pressure: 35-42	Melting Point: NL
Vapor Density: 3.2-3.6@20	Evaporation Rate: 2-3
Solubility in Water: NIL	Boiling Point: 171F-228F
Appearance and Odor: COLORED VISCOUS SOLUTION WITH ESTERS ODOR	

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**\*\*\* SECTION IV: Fire and Explosion Hazard Data \*\*\***

Flash Point: 77 F      Flammable Limits: LEL 1.45  
Method: TCC      UEL 8.2

Extinguishing Methods:  
WATER IS THE MOST EFFECTIVE FIRE EXTINGUISHING MEDIUM FOR  
NITROCELLULOSE. IT IS RECOMMENDED TO BE USED IN LARGE VOLUME.  
DRY CHEMICAL, CO2 OR A UNIVERSAL TYPE FOAM COULD BE USED TO  
EXTINGUISH SMALL FIRES.

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\*\*\* SECTION IV: Fire and Explosion Hazard Data \*\*\* (cont.)

Special Fire Fighting Procedures:

HIGH HEAT ON DRUMS OF THIS MATERIAL WILL CAUSE THE EVAPORATION OF SOLVENT CONTENTS, RESULTING IN AN INCREASE IN PESSURE CAUSING THE RELEASE OF THE DRUM LID OR EVEN THE DRUM EXPLOSION. DON'T APPROACH FIRES INVOLVING THIS MATERIAL BEFORE COOLING DRUMS IN THE FIRE TO DECREASE THE CHANCE OF DRUM LID RELEASE OR DRUM EXPLOSION. FIGHT FIRES FROM A SAFE DISTANCE. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED, TO ELIMINATE OR MINIMIZE BREATHING VAPOR FUMES OR GASES RELEASED FROM THE DECOMPOSED PRODUCT. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. FLUSH SPILLS AWAY FROM EXPOSURES. AVOID SPREADING BURNING MATERIAL WITH WATER.

Unusual Fire and Explosion Hazards:

VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK. THIS MATERIAL CREATES A FIRE HAZARD AND MAY BE IGNITED BY HEAT, SPARKS, FLAME OR STATIC ELECTRICITY.

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\*\*\* SECTION V: Reactivity Data \*\*\*

Stability: Stable                      Corrosive?                      Polymerization? N

Conditions to Avoid:

NL

Incompatibility:

THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS OR BASES AND OXIDIZERS.

Hazardous Decomposition or Byproducts:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES. UNDER SOME CONDITIO NS, METHANE, IRRITATING ALDEHYDES AND CARBOXYLIC ACIDS AND HYDROGEN CYANIDE MAY BE FORMED.

Hazardous Polymerization:

WILL NOT OCCUR

Polymerization Conditions:

WILL NOT OCCUR

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\*\*\* SECTION VI: Health Hazard Data \*\*\*

Route(s) of Entry: Inhalation? Y    Skin? Y    Eye? Y    Ingestion? Y

Carcinogenicity:    NTP?                      IARC Monographs?                      OSHA Regulated?

Health Hazards (Acute and Chronic):

EYE CONTACT: THIS PRODUCT MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THIS MATERIAL OR EXPOSURE TO ITS VAPOR OR MISTS MAY CAUSE BURNING, TEARING AND REDNESS AND SWELLING.

SKIN CONTACT: THIS PRODUCT MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE TO THIS MATERIAL MAY CAUSE REDNESS AND BURNING, DRYING AND CRACKING OF THE SKIN AND DERMITITIS. PERSONS PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.

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\*\*\* SECTION VI: Health Hazard Data \*\*\* (cont.)

Health Hazards (Acute and Chronic): (cont.)

INHALATION(BREATHING): BREATHING HIGH CONCENTRATION OF VAPORS OR MISTS MAY CAUSE IRRITATION OF THE NOSE AND THROAT. SIGNS OF NERVOUS SYSTEM DEPRESSION. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS. MAY BE AGGRAVATED BY EXPOSURE TO THE VAPORS OF THIS MATERIAL.

INGESTION (SWALLOWING): INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT. SIGNS OF NERVOUS SYSTEM DEPRESSION.

Signs and Symptoms of Exposure:

NL

Medical Conditions Aggravated by Exposure:

NL

Emergency and First Aid Procedures:

EYE CONTACT: MOVE VICTIM AWAY FROM EXPOSURE TO VAPORS AND INTO FRESH AIR. FOR DIRECT CONTACT FLUSH THE EFFECTED EYE(S) WITH CLEAN WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN CONTACT: REMOVE ALL CONTAMINATED CLOTHING. CLEANSE AFFECTED AREAS THOROUGHLY BY WASHING WITH MILD SOAP AND WATER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK DOCTOR. INHALATION (BREATHING): IF SYMPTOMS OF EXPOSURE DEVELOP MOVE VICTIM.

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\*\*\* SECTION VII: Precautions for Safe Handling and Use \*\*\*

Steps to be Taken in Case Material is Released or Spilled:  
STAY UPWIND AND AWAY FROM SPILL. KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES AWAY FROM SPILL. IF SPILL IS INSIDE VENTILATE AREA OF SPILL. KEEP OUT OF DRAINS, SEWERS OR WATERWAYS. USE SAND OR OTHER INERT MATERIAL TO DAM AND CONTAIN SPILL. DO NOT FLUSH WITH WATER; USE ABSORBENT PADS. FOR LARGE SPILL CALL RESPONSE TEAM AND NOTIFY APPROPRIATE STATE/LOCAL AGENCIES. IMMEDIATELY NOTIFY THE NATIONAL RESPONSE CENTER #1-800-424-8802 IN CASE IF THE SPILL IS IN EXCESS OF EPA REPORTABLE QUANTITY.

Waste Disposal Method:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

Precautions to be Taken in Handling and Storage:

KEEP CONTAINERS TIGHTLY CLOSED. KEEP CONTAINERS COOL DRY AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. AVOID INHALATION OF VAPORS AND PERSONAL CONTACT WITH THE PRODUCT. USE GOOD PERSONAL HYGIENE PRACTICE.

Other Precautions:

NL

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\*\*\* SECTION VIII: Control Measures \*\*\*

Ventilation? Y      Pressurized?      Container Type:

Respiratory Protection:

WHEN VAPOR CONCENTRATION EXCEED THE ESTABLISHED EXPOSURE LIMITS SHOWED IN SECTION II. IF THE CURRENT VENTILATION IS NOT ADEQUATE TO MAINTAIN THIS LEVEL, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS

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\*\*\* SECTION VIII: Control Measures \*\*\* (cont.)

Respiratory Protection: (cont.)

MAY BE REQUIRED. USE EXPLOSION-PROOF EQUIPMENT.

Ventilation:

THE VENTILATION SYSTEM SHOULD BE DESIGNED TO BE ABLE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS SHOW IN SECTION II. IF THE CURRENT VENTILATION IS NOT ADEQUATE TO MAINTAIN THIS LEVEL, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

Eye Protection:

USE SPLASH GOGGLES (NIOSH APPROVED) TO SAFEGUARD AGAINST POTENTIAL CONTACT, IRRITATION OR INJURY.

Work/Hygienic Practices:

MINIMIZE BREATHING VAPOR. AVOID PROLONGED CONTACT WITH THE SKIN. MAINTAIN A SOURCE OF CLEAN WATER TO BE AVAILABLE WORK AREA FOR FLUSHING EYES AND SKIN. REMOVE CONTAMINATED CLOTHING; LAUNDRY OR DRY-CLEAN BEFORE USE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN AND DRY BEFORE REUSE. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT END OF WORK PERIODS. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS OR SOLVENTS FOLLOWED BY WASHING WITH SOAP AND WATER. IMPERVIOUS SHOULD BE WORN AS NEEDED.

This MSDS covers these requested SKUs:

SKU	SIZE	DESCRIPTION
161820	2.5 OZ	BTY SEC NAIL HARDENER & THICKENER
161840	2.5 OZ	BTY SEC NAIL MATRIX FORTIFIER OIL
161860	2.5 OZ	BTY SEC FAST FINISH DRYER/TOP COAT

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 \*The information contained herein is based on the data available\*  
 \*to us and is believed to be correct to the best of our ability.\*  
 \*However, Sally Beauty Company makes no warranty, expressed or \*  
 \*implied regarding the accuracy of this data nor assumes any \*  
 \*responsibility for injury from the intentional or non- \*  
 \*intentional misuse of this product. \*  
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