



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT **INM PURE ACETONE**

MSDS DATE: 07/23/03

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Pure Acetone

**SYNONYMS:** Acetone

**PRODUCT CODES:** INMPA

**MANUFACTURER:** International Nail Manufacturers (inm)  
Division of Nail Cartel, Inc.

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## SECTION 2: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS IN AIR
CHEMICAL NAME	CAS NUMBERS	%	
ACETONE (2-PROPANONE)	67-64-1	APPROX. 100	750 PPM TWA, OSHA & ACGIH 1000 PPM STEL, OSHA & ACHIH
BENZENE	71-43-2	30ppm MAX	1 PPM TWA, OSHA 5 PPM STEL, OSHA 10 PPM TWA, ACGIH 25 PPM CEILING, UCC

## SECTION 3: PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1): 2.0	MELTING POINT (DEG F): N/A
SPECIFIC GRAVITY (H2O = 1): 0.7915 @ 20/20 C	BOILING POINT (DEG F): 56.29 C 133.32 F
SOLUBILITY IN WATER: COMPLETE AT 20C	FREEZING POINT: -96.54C -141.77F
VAPOR PRESSURE (mmHg) @ 20 DEG. C): 184 mmHg	APPEARANCE & ODOR: TRASPARENT
EVAPORATION RATE (n-BUTYLE ACETATE=1): 14.4	PINK OR GREEN, MINT ODOR
% VOLATILES (BY WEIGHT): 100	PHYSICAL STATE: LIQUID

## SECTION 4: FIRE AND EXPLOSION

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FLASH POINT (DEG F): ZERO F, (-18 C), TAG CLOSED CUP ASTM D 56

FLAMMABLE LIMITS IN AIR, VOLUME %: LOWER 2.15% UPPER 13%

FIRE FIGHTING PROCEDURES: USE WATER FOG, "ALCOHOL" FOAM, CARBON DIOXIDE, DRY CHEMICAL, DANGER, FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL AND ISOLATE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS FORM FROM THIS PRODUCT AND MAY TRAVEL OR BE MOVED BY AIR CURRENTS AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SMOKING, SPARKS, HEATERS, ELECTRICAL EQUIPMENT, STATIC DISCHARGES OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM PRODUCT HANDLING POINT. VAPORS FROM THIS MATERIAL MAY SETTLE IN LOW OR CONFINED AREAS OR TRAVEL A LONG DISTANCE TO AN IGNITION SOURCE AND FLASH BACK EXPLOSIVELY. THIS MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD.

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## SECTION 5: REACTIVITY DATA

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STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY: MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, NITRIC ACID, ALKALIES.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND/OR CARBON DIOXIDE. CARBON MONOXIDE IS HIGHLY TOXIC IF INHALED; CARBON DIOXIDE IN SUFFICIENT CONCENTRATIONS CAN ACT AS AN ASPHYXIANT.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

NFPA HAZARD IDENTIFICATION (RATING DOES NOT APPLY TO EXPOSURE HAZARDS OTHER THAN DURING A FIRE):

DEGREE OF HAZARD	HAZARD RATINGS
HEALTH (3)	0-LEAST 3-HIGH
FIRE (4)	1-SLIGHT 4-EXTREME
REACTIVITY (0)	2-MODERATE

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## SECTION 6: HEALTH HAZARD INFORMATION

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NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATION.

INHALATION: VAPORS ARE IRRITATING AND MAY CAUSE A STINGING AND ITCHING SENSATION IN THE EYES, NOSE AND THROAT, COUGHING, EXCESSIVE BLINKING, TEAR PRODUCTION, NAUSEA AND POSSIBLY VOMITING. HIGH VAPOR CONCENTRATIONS MAY RESULT IN HEADACHE, NAUSEA, WEAKNESS, DIZZINESS, INCOORDINATION AND EVENTUALLY UNCONSCIOUSNESS.

CONTACT WITH SKIN: BRIEF CONTACT IS NOT IRRITATING. PROLONGED OR REPEATED CONTACT MAY CAUSE DEFATTING AND DRYING OF THE SKIN.

CONTACT WITH EYES: CAUSES SEVERE IRRITATION, EXPERIENCED AS DISCOMFORT OR PAIN, EXCESS BLINKING AND TEAR PRODUCTION, WITH MARKED EXCESS REDNESS AND SWELLING OF THE CONJUCTIVA. CORNEAL INJURY MAY OCCUR, EFFECTS OF REPEATED OVEREXPOSURE: NO ADVERSE EFFECTS ANTICIPATED FROM AVAILABLE INFORMATION. OTHER HEALTH HAZARDS NONE CURRENTLY KNOWN.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS. ADDITIONAL TOXICITY INFORMATION: DEVELOPMENT OF CATARACTS HAS BEEN REPORTED IN LABORATORY ANIMALS AFTER PROLONGED REPEATED SKIN EXPOSURE TO ACETONE.

### EMERGENCY FIRST AID PROCEDURE FOR OVEREXPOSURE BY:

SWALLOWING: IF VICTIM IS CONSCIOUS AND ABLE TO SWALLOW, GIVE TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

EYES: IMMEDIATELY FLUSH EYES WITH WATER AND CONTINUE WASHING FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION WITHOUT DELAY, PREFERABLE FROM AN OPHTHALMOLOGIST.

NOTES TO PHYSICIAN: ASPIRATED ACETONE MAY CAUSE SEVERE LUNG DAMAGE AND PRESENT A SIGNIFICANT HAZARD. STOMACH CONTENTS SHOULD BE EVACUATED QUICKLY IN A MANNER WHICH AVOIDS ASIRATION. OTHERWISE, TREATMENT OF OVEREXPOSURE IS DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT. NO SPECIFIC ANTIDOTE IS KNOWN.

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## SECTION 7: SPILL LEAK AND DISPOSAL PROCEDURES

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SPILL RESPONSE PROCEDURES: SMALL SPILLS CAN BE FLUSHED WITH LARGE AMOUNTS OF WATER; LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL. EXTINGUISH AND DO NOT TURN ON ANY IGNITION SOURCE UNTIL THE AREA IS DETERMINED TO BE FREE FROM FIRE OR EXPLOSION HAZARD. WEAR SUITABLE PROTECTIVE EQUIPMENT. AVOID INHALATION OF VAPOR.

PREPARING WASTES FOR DISPOSAL: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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CONTROL MEASURES: NECESSARY IF VAPOR CONCENTRATIONS ARE LIKELY TO EXCEED PERMISSIBLE LIMITS.

RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATORS (NOT FOR NORMAL USE)

EYE PROTECTION: SAFETY GLASSES (WORN WHEN MANUFACTURING ONLY)

GLOVES: RUBBER GLOVES (WORN WHEN MANUFACTURING ONLY)

OTHER CLOTHING AND EQUIPMENT: RUBBER APRONS

WORK PRACTICES, HYGIENIC PRACTICES: AVOID INHALATION OF VAPORS AND SKIN CONTACT.

OTHER HANDLING AND STORAGE REQUIREMENTS: PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. SMOKING SHOULD BE PROHIBITED IN STORAGE AREAS. WHEN IN USE REPLACE CLOSURE SECURELY AFTER EACH OPENING. KEEP PACKAGED MATERIAL OUT OF SUN AND AWAY FROM HEAT. KEEP CLOSURE UP TO PREVENT LEAKAGE. CONTAINERS ARE HAZARDOUS WHEN EMPTY. SINCE EMPTY CONTAINERS RETAIN RESIUAL PRODUCT (VAPOR OR LIQUID), ALL PRECAUTIONS DESCRIBED ON THIS MSDS MUST BE OBSERVED.

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: EMPTIED CONTAINERS SHOULD BE FLUSHED THOROUGHLY SINCE RESIDUAL VAPOR MAY REMAIN BEHIND.

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## SECTION 9: LABELING

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LABELING (PRECAUTIONARY STATEMENTS): WARNING !!! FLAMMABLE, KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER IGNITION SOURCES. VAPOR MAY BE FLAMMABLE. MAY BE HARMFUL IF SWALLOWED.

DEPARTMENT OF TRANSORTATION: CLASSIFICATION: FLAMMABLE LIQUID

FOR GALLON CONTAINERS (ON BILL OF LADING & BOX LABEL): ACETONE, 3, UN1090, PG II

FOR QUART, PINT, AND 4oz. CONTAINERS: POLISH REMOVER, ORM-D

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ALL OTHER MSDS: ON FILE SHOULD BE REPLACED BY THIS UPDATED INFORMATION FOR THIS PARTICULAR PRODUCT