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MATERIAL SAFETY DATA SHEET NPCA 1-84
 FOR COATINGS, RESINS, AND RELATED MATERIALS
 REPLACES NPCA 1-82

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MANUFACTURER'S NAME

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DATE OF PREPARATION

INFORMATION TELEPHONE #

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SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 275

PRODUCT NAME: ZAR PAINT & VARNISH REMOVER

PRODUCT CLASS: PAINT AND VARNISH REMOVER - A MIXTURE

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	PERCENT (WT)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE MMHG
			TLV	PEL	
METHYLENE CHLORIDE (DICHLOROMETHANE)	75-09-2	90	100PPM	500PPM	355 @68F
METHANOL - POISON!	67-56-1	5	200PPM	200PPM	96 @68F
TOLUENE	108-88-3	<5	100PPM	200PPM	54 @77F

MG/CM = MILLIGRAMS PER CUBIC METER

< = LESS THAN

N/A = NOT APPLICABLE

PPM = PARTS PER MILLION

MPPCF = MILLION OF PARTICLES PER CUBIC FOOT

MMHG = MILLIMETERS OF MERCURY

SECTION III - PHYSICAL DATA

BOILING RANGE 104F-231F VAPOR DENSITY (X) HEAVIER () LIGHTER THAN AIR
 EVAPORATION RATE () FASTER (X) SLOWER THAN ETHER
 % VOLATILE VOLUME 98.0 WT/GAL 10.32 LBS/GALLON

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CLASSIFICATION:

OSHA: NOT COMBUSTIBLE

FLASH POINT

LEL 0.9%(V)

DOT: NOT REGULATED

"NO FLASH TO BOIL"

EXTINGUISHING MEDIA: N/A

HAZARD IDENTIFICATION: () FOAM () "ALCOHOL" () CO2 () DRY CHEMICAL () WATER FOG () OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATIONS TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIREFIGHTING PROCEDURES: WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE SUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. SELF CONTAINED RESPIRATORY PROTECTION SHOULD BE USED WHEN FIGHTING A FIRE WHERE REMOVER IS STORED.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: IRRITATION TO EYES AND RESPIRATORY TRACT, HEADACHES AND DIZZINESS, AFFECTS CENTRAL NERVOUS SYSTEM. PROLONGED OR REPEATED SKIN CONTACT TENDS TO REMOVE SKIN OILS, LEADING TO IRRITATION AND DERMATITIS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND CENTRAL NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: CARDIAC CONDITIONS KIDNEY DISEASES, RESPIRATORY ILLNESSES, SKIN ALLERGIES. LABORATORY STUDIES HAVE SHOWN THAT INGREDIENTS IN SECTION II HAVE CAUSED TUMORS WHEN LABORATORY ANIMALS ARE EXPOSED TO HIGH CONCENTRATIONS. THIS MATERIAL IS A POISON, AND CANNOT BE MADE NON-POISONOUS.

PRIMARY ROUTE(S) OF ENTRY: (2) DERMAL (1) INHALATION (3) INGESTION

EMERGENCY AND FIRST AID PROCEDURES: EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DRINK 1 OR 2 GLASSES OF WATER. CALL PHYSICIAN, HOSPITAL, OR POISON CONTROL CENTER FOR INSTRUCTIONS TO INDUCE VOMITING. WHEN MEDICAL ADVICE IS NOT AVAILABLE, INDUCE VOMITING USING SYRUP OF IPECAC ACCORDING TO DIRECTIONS. IF IPECAC IS UNAVAILABLE, INDUCE VOMITING WITH FINGER OR BACK OF SPOON. INHALATION: REMOVE TO FRESH AIR.

SECTION VI - REACTIVITY DATA

STABILITY () UNSTABLE (X) STABLE

HAZARDOUS POLYMERIZATION () MAY OCCUR (X) WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC GASES SUCH AS PHOSGENE

CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAMES, HOT METALS

INCOMPATIBILITY (MATERIALS TO AVOID)

SECTION VII - SPILL OR LEAK PROCEDURES

TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE NON-REQUIRED PERSONNEL. REMOVE ANY SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION AND /OR SELF-CONTAINED BREATHING APPARATUS. DIKE IF ILL, APPLY ABSORBENT MATERIAL. USING NON-SPARKING TOOLS, SCRAPE UP AND STORE IN CLOSED METAL CONTAINER. AVOID BREATHING VAPORS.

WASTE DISPOSAL METHOD: DISPOSE OF IN APPROVED SITES ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: WEAR NIOSH-APPROVED RESPIRATOR WITH ORGANIC VAPOR AND SOLID PARTICLE FILTER CARTRIDGES.

VENTILATION: USE ADEQUATE VENTILATION IN VOLUME AND PATTERN TO MAINTAIN LEVEL BELOW THAT LISTED IN SECTION II.

PROTECTIVE GLOVES: USE NEOPRENE RUBBER GLOVES TO PREVENT SKIN CONTACT

EYE PROTECTION: USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS

OTHER PROTECTIVE EQUIPMENT: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, SMOKING, OR USING THE WASHROOM.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: AVOID BREATHING SANDING DUST. AVOID STORAGE AT TEMPERATURES GREATER THAN 90 DEGREES (F) OR NEAR HEAT, SPARKS, ELECTRICAL EQUIPMENT OR OPEN FLAMES.

OTHER PRECAUTIONS: AVOID PROLONGED BREATHING OF VAPORS OR CONTACT WITH SKIN. PREVENT PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. TO AVOID SPONTANEOUS COMBUSTION DURING TEMPORARY STORAGE, SOAK SOILED RAGS AND WASTE IMMEDIATELY AFTER USE, IN A WATER FILLED, CLOSED METAL CONTAINER.

USE THIS PRODUCT OUTDOORS, IF POSSIBLE. IF YOU MUST USE IT INDOORS, OPEN ALL WINDOWS AND DOORS OR USE OTHER MEANS TO ASSURE FRESH AIR MOVEMENT DURING APPLICATION AND DRYING. IF PROPERLY USED, A RESPIRATOR MAY OFFER ADDITIONAL PROTECTION. OBTAIN PROFESSIONAL ADVICE BEFORE USING. A DUST MASK DOES NOT PROVIDE PROTECTION AGAINST VAPORS. DO NOT USE IN BASEMENT OR OTHER UNVENTILATED AREA.