

MATERIAL SAFETY DATA SHEET

FUR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP  
2/06/89

SECTION I

MANUFACTURER'S NAME: STRATHMORE PRODUCTS INC  
ADDRESS: 1970 WEST FAYETTE STREET  
CITY, STATE AND ZIP CODE: SYRACUSE, NEW YORK 13201

EMERGENCY TELEPHONE NOS. DAY: 315 488-5401  
NIGHT: POISON CONTROL CENTER 315-476-4766

MANUFACTURERS CODE IDENTIFICATION: C42-0004 REV. 1/09/89  
PRODUCT CLASS: NITROCELLULOSE ~~SEALANT~~ CLEAR COATING  
TRADE NAME: NITROSEL CLEAR WATER ~~BASE~~ SL-97 water lacquer

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT MATERIAL DESCRIPTION	% BY WEIGHT	TLV ACGIH PPM	PEL OSHA PPM	TLV MG/M3	LEL %	VP MM HG
LACTANE, CAS# 64742-89-8	20.30	200	N.EST.		1.0	80.0
# XYLENE, CAS# 1330-20-7	5.10	100	100		1.0	<10.0
# ISOPROPYL ALCOHOL, #67-63-0	10.20	400	N.EST.		2.0	33.0
PRIMARY AMYL ACETATE #628-63-7	3.60	100	100		1.1	4.0
# METHYL ETHYL KETONE #78-93-3	23.30	200	200		1.8	70.0
# METHYL ISOBUTYL KETONE CAS# 108-10-1	16.90	50	100		1.4	15.0
#SEC.313 SUPPLIER NOTIFICATION SEE MSDS SECTION IX						

SECTION III - PHYSICAL DATA

BOILING RANGE: 175--295 DEG F | WEIGHT PER GALLON: 7.20  
VAPOR DENSITY: HEAVIER THAN AIR | % VOLATILE BY VOLUME: 85.9%  
EVAPORATION RATE: SLOWER THAN ETHER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: RED LABEL FLAMMABLE LESS THAN 100 DEG F.  
FLASH POINT: 29 DEG F SETA FLASH | LEL: SEE SECTION II

EXTINGUISHING MEDIA: USE NATIONAL FIRE PROTECTION ASSOCIATION NFPA CLASS B  
EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM) DESIGNED TO  
EXTINGUISH NFPA CLASS 1B LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED.  
ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED  
CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY TO HOT  
SURFACES.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED RESPIRATORY EQUIPMENT. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTO IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE

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SECTION V- HEALTH HAZARD DATA

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THRESHOLD LIMIT VALUE: SEE SECTION II

EFFECTS OF ACUTE (SHORT TERM) OVEREXPOSURE:

INHALATION: ANESTHETIC IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA.

SKIN OR EYE CONTACT: PRIMARY IRRITATION.

EYE CONTACT WITH LIQUID MAY CAUSE SEVERE IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIARRHEA AND POSSIBLY VOMITING. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE PNEUMONITIS WHICH CAN BE FATAL.

EFFECTS OF CHRONIC (LONG TERM) OCCUPATIONAL OVEREXPOSURE:

REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE TO VAPORS MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND CAUSE RESPIRATORY IRRITATION, AND MAY CAUSE LIVER AND KIDNEY DAMAGE.

REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE TO VAPORS MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND LUNGS.

NOTE: A CASE EFFECT SHOWED ACTIVE LIVER & KIDNEY DYSFUNCTION AT EXTREMELY HIGH LEVELS OF EXPOSURE TO XYLENE AND TOLUENE.

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DRYING AND DEFATTING OF THE SKIN, WHICH MAY LEAD TO DERMATITIS.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

EMERGENCY AND FIRST AID PROCEDURES: FUMES: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. NOTIFY A PHYSICIAN. SPLASH (EYES): FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER. TAKE TO A PHYSICIAN FOR DEFINITIVE MEDICAL TREATMENT. SPLASH (SKIN): WASH AFFECTED AREA WITH WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN.

WARNING: IF SWALLOWED, DO NOT INDUCE VOMITING; CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY OVEREXPOSURE:  
EXPOSURE MAY AGGRAVATE PREEXISTING SKIN, EYE, AND RESPIRATORY DISORDERS.

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SECTION VI - REACTIVITY DATA

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STABILITY: STABLE

CONDITIONS TO AVOID: EXCESSIVE HEAT, SPARKS, OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS,  
ALKALINE MATERIALS AND STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF NITROGEN, CARBON MONOXIDE,  
CARBON DIOXIDE, SMOKE AND ACRID FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL  
SOURCES OF IGNITION (FLAMES, HOT SURFACES AND ELECTRICAL, STATIC OR  
FRICTION SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH  
INERT ABSORBENT AND NON-SPARKING TOOLS. TRANSFER TO APPROPRIATE CONTAINER  
FOR DISPOSAL. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATER AND SOIL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE  
CLOSED CONTAINERS.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: IN OUTDOOR OR OPEN AREAS USE MSHA/NIOSH APPROVED  
MECHANICAL FILTER RESPIRATORS DESIGNED TO REMOVE SOLID AIRBORNE PARTICLES  
OF OVERSPRAY DURING SPRAY APPLICATION. IN RESTRICTED VENTILATION AREAS  
USE MSHA/NIOSH APPROVED CHEMICAL-MECHANICAL FILTERS DESIGNED TO REMOVE A  
COMBINATION OF PARTICULATE AND GAS AND VAPOR. IN CONFINED AREAS USE  
MSHA/NIOSH APPROVED AIR LINE TYPE RESPIRATORS OR HOODS.

VENTILATION: PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN  
VOLUME AND PATTERN TO KEEP TLV OF MOST HAZARDOUS INGREDIENT IN SECTION II  
BELOW ACCEPTABLE LIMIT, LEL IN SECTION IV BELOW STATED LIMIT, AND TO  
REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES  
COATED WITH THIS PRODUCT.

PROTECTIVE GLOVES: SOLVENT RESISTANT GLOVES REQUIRED FOR PROLONGED OR  
REPEATED CONTACT.

EYE PROTECTION: USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF

LIQUIDS.

OTHER PROTECTIVE EQUIPMENT: PREVENT PROLONGED SKIN CONTACT TO CONTAMINATED CLOTHING.

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SECTION IX - SPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT STORE ABOVE 120 DEG F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS 1B FLAMMABLE LIQUIDS.

OTHER PRECAUTIONS: CONTAINERS SHOULD BE GROUNDED WHEN POURING. DO NOT FLAME CUT, BRAZE UP WELD WITHOUT MSHA/NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION. WARNING: FLAMMABLE. VAPOR HARMFUL. MAY CAUSE EYE BURNS. MAY CAUSE IRRITATION. HEATING FORMS HAZARDOUS VAPOR. PROLONGED OR REPEATED CONTACT OF LIQUID OR BREATHING OF VAPORS MAY CAUSE DELAYED AND SERIOUS INJURY. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH EYES AND SKIN. DO NOT TAKE INTERNALLY.

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER-EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

#SECTION 313 SUPPLIER NOTIFICATION: THE ITEMS SHOWN IN SECTION II OF THIS MSDS, THAT ARE PRECEDED WITH #, ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372.

USER'S RESPONSIBILITY: THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, BELIEVED TO BE ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.