

TRIPLE S
MATERIAL SAFETY DATA SHEET

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***** SECTION 1: PRODUCT IDENTIFICATION *****

ADDRESS : 2 EXECUTIVE PARK DRIVE, BILLERICA, MA 01862
TELEPHONE NUMBER : 1-800-323-2251
24 HR EMERGENCY PHONE NO : 1-888-779-1339
CHEMICAL NAME OR FAMILY : COATINGS PRODUCT
FORMULA : NOT APPLICABLE
TRADE NAME : TIECOAT
REVISION DATE : 02-09-00 DATE PRINTED : 09-17-02

***** SECTION 2: HAZARDOUS INGREDIENTS *****

NAME	WT %
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*COMMON (NA) : N-METHYL-PYRROLIDONE	< 5% TLV TWA 200.00 PPM
	TLV STEL NOT ESTAB
CAS: 872-50-4 CHEMICAL: 1-METHYL-2-PYRROLIDONE	OSHA PEL NOT ESTAB
	CEILING NOT ESTAB
	RECOMND NOT ESTAB

CHEMICALS NOTED WITH A (*) ARE REPORTABLE UNDER SECTION 313 OF SARA TITLE III

ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH U.S. TSCA CHEMICAL SUBSTANCE INVENTORY REQUIREMENTS.

***** SECTION 3: PHYSICAL DATA *****

BOILING POINT: 212 DEG F. (100 DEG C.)
VAPOR PRESSURE MM HG AT 77 DEG F. (25 DEG C.): 24.0
VAPOR DENSITY (AIR = 1.0): 3.1
SPECIFIC GRAVITY: 1.02
PERCENT VOLATILE BY VOLUME: 87.63
EVAPORATION RATE (BUTYL ACETATE = 1): .4
SOLUBILITY IN WATER: YES
PH : N.AV
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.AV

***** SECTION 4: FIRE AND EXPLOSION HAZARD *****

FLASH POINT TCC/PM DEG F : 195
FLASH POINT TCC/PM DEG C : 90
LOWER EXPLOSIVE LIMIT : 2.00
UPPER EXPLOSIVE LIMIT : 12.00
AUTO IGNITION - DEG F : N.AV DEG C : N.AV
SENSITIVITY TO IMPACT : NONE
SENSITIVITY TO STATIC DISCHARGE : N.AV

EXTINGUISHING MEDIA: IN CASE OF FIRE, USE WATER SPRAY (FOG), ALCOHOL FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
WATER SPRAY MAY BE USED TO COOL CONTAINERS AND KEEP EXPOSED MATERIAL FROM BEING DAMAGED BY FIRE.

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***** SECTION 4: FIRE AND EXPLOSION HAZARD *****CONTINUED*****

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CLOSED CONTAINERS MAY EXPLODE DUE TO BUILD UP OF PRESSURE WHEN EXPOSED TO HEAT.

***** SECTION 5: HEALTH HAZARD DATA *****

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):

HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RESPIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.

OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE EYE IRRITATION, SKIN IRRITATION, CORNEAL INJURY/EYE DAMAGE.

DELAYED EFFECTS (CHRONIC):

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.

CONTAINS INGREDIENTS WHICH MAY CAUSE DERMATITIS, TESTICULAR EFFECTS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION: IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR.

SWALLOWING: IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

***** SECTION 6: REACTIVITY DATA *****

THIS PRODUCT IS STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

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***** SECTION 7: SPILL OR LEAK PROCEDURES *****

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA. ELIMINATE IGNITION SOURCES. REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS. AVOID CONTACT WITH EYES.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, PROVINCIAL AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

***** SECTION 8: SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:

UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIST LEVELS ABOVE APPLICABLE LIMITS, NO RESPIRATOR IS REQUIRED. IF RESPIRATOR IS REQUIRED, THE APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) SHOULD BE WORN DURING APPLICATION. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:

REQUIRED WHEN SPRAYING OR APPLYING IN CONFINED AREA.

PROTECTIVE CLOTHING:

AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS THE POSSIBILITY OF CONTACT OR SPLASHING IN THE EYE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL RESISTANT GLOVES AND OTHER CLOTHING TO KEEP EXPOSURE TO A MINIMUM. COVER ARMS AND LEGS. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS BECAUSE CONTACT LENSES MAY CONTRIBUTE TO THE SEVERITY OF AN EYE INJURY IN CASE OF EXPOSURE.

***** SECTION 9: SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. (49 DEG C.) BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE, SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910.106/ONTARIO OH&S REGULATION 851 SECTION 22. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS;
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH
ADMINISTRATION; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH;
WHMIS-WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM; H-HOURS; HR-HOURS;
NA-NOT APPLICABLE; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.
N.AV-NOT AVAILABLE; N.AP-NOT APPLICABLE; C-CELSIUS; F-FAHRENHEIT

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***** PREPARED BY SECTION

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