

MATERIAL SAFETY DATA SHEET

Information Phone # 1-800 728 1958
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EMERGENCY PHONE #: 1-800 535-5053

Universal Building Products Inc.
840 South 25th Avenue
Bellwood, IL 60104

SECTION I PRODUCT IDENTIFICATION

Trade Name	<i>Uniseal</i>		
Chemical Family	Acrylic Resin Solution in Aromatic Solvent		
NFPA Ratings (Hazard ID)	Health 2	Fire 2	Reactivity 0
HMS Ratings (Hazard ID)	Health 2	Fire 2	Reactivity 0
Warning! Combustible liquid (DOT) Flammable Liquid (Air, Marine). Keep containers (with material or empty) away from sparks, excessive heat, flames, welding. Irritant to skin, eyes. May be fatal if ingested or overexposed. Harmful to lungs, central nervous system, mucous membrane, possibly blood, kidney, liver and reproductive system. Spill may create slipping hazard.			

SECTION II INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATION* \\\

INGREDIENT	Xylene - mixed, META and PARA Isomers	1,2,4-Trimethylbenzene	Cumene	Trimethyl benzene (Mixed Isomers)	Mineral Spirits
CAS#	001330-20-7	000095-63-6	000098-82-8	025551-13-7	64742-88-7
ACGIH TLV/TWA	100 PPM (435 mg/m ³)	25PPM (125 mg/m ³)	50 PPM (435 mg/m ³)	25PPM (125 mg/m ³)	NA
ACGIH TLV/STEL	150 PPM (435 mg/m ³)	N/A	N/A	N/A	NA
OSHA PEL/TWA	100 PPM (435 mg/m ³)	25 PPM (125 mg/m ³)	50 PPM (435 mg/m ³)	25PPM (125 mg/m ³)	NA
OSHA PEL/STEL	150 PPM (655 mg/m ³)	25 PPM (125 mg/m ³)	N/A	N/A	NA
LD50, Oral	4.3 g/Kg (RAT)	5 g/Kg (RAT)	N/A	8.9 g/Kg (RAT)	NA
LD 50, Dermal	3.95 ml/Kg (RABVBIT)	N/A	N/A	N/A	NA
LD 50, Inhalation	5000 PPM/4H (RAT)	N/A	N/A	N/A	NA
PCT BY WT:	2 %	19 %	1 %	28 %	

SECTION III PHYSICAL DATA

Physical State	LIQUID	Specific Gravity	.912
Appearance	CLEAR COLOR	VOC, Calculated	<700 g/L
Odor	MODERATE AROMATIC	pH	N/A
Boiling Range	HIGH- N/A LOW-281.0 °F	Freezing Point	N/A
Vapor Pressure		Water Solubility	INSOLUBLE

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Lowest Closed Cup Flashpoint	<110.0 °F
OSHA Flammability Classification	CLASS III
Lower Flammable Limit in Air	.9 % BY VOLUME
Flash Points	110 TO 142 °F
Mechanical Impact Explosion	NO KNOWN HAZARD
Static Electricity Explosion	AVOID STATIC CHARGE
EXTINGUISHING MEDIA	FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINER TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

SPECIAL FIRE FIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

SECTION V HEALTH HAZARD DATA
EFFECTS OF EXCESSIVE OVEREXPOSURE-PRIMARY ROUTES OF ENTRY ARE:

PRIMARY ROUTE(S) OF ENTRY:

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INHALATION	SKIN	INGESTION

SKIN CONTACT:
IRRITATION. CAN CAUSE DEFATTING OF SKIN, WHICH MAY LEAD TO DERMATITIS.

INHALATION:
IRRITATION TO NOSE AND THROAT. EXTENDED OR REPEATED EXPOSURE TO CONTRATIONS ABOVE THE RECOMMENDED EXPOSURE LIMITS MAY CAUSE BRAIN OR NERVOUS SYSTEM DEPRESSION, WITH SYMPTONS SUCH AS DIZZINESS, HEADACHE OR NAUSEA AND IF CONTINUED INDEFINITELY, LOSS OF CONSCIOUSNESS, LIVER AND KIDNEY DAMAGE.

INGESTION:
MAY CAUSE MOUTH, THROAT, ESOPHAGUS AND STOMACH IRRITATION, NAUSEA VOMITING AND DIARRHEA.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT:
PREEXISTING EYE, SKIN, LIVER, KIDNEY AND RESPIRATORY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES:
IN CASE IF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

OTHER HEALTH HAZARDS:
LABORATORY ANIMALS EXPOSED TO HIGH DOSES OF XYLENE SHOWED EVIDENCE OF EFFECTS IN THE LIVER, KIDNEYS, LUNGS, CENTRAL NERVOUS SYSTEM, GI TRACT, AND BLOOD FORMING ELEMENTS.

SECTION VI REACTIVITY DATA

STABILITY:
STABLE HAZARDOUS POLYMERIZATION: NONE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID:
ELEVATED TEMPERATURES

INCOMPATIBILITY (MATERIAL TO AVOID):
STRONG ACIDS AND STRONG OXIDIZING AGENTS. IF THIS PRODUCT IS NOT WATER REDUCIBLE, AVOID WATER.

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION OR COMBUSTION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE AND CARBON N MONOXIDE.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

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

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
DON'T BREATHE VAPORS. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING USE OF THIS PRODUCT UNTIL VAPORS ARE EXHAUSTED, UNLESS AIR MONITORING DEMONSTRATES VAPOR LEVELS ARE BELOW APPLICABLE LIMITS FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE OSHA STANDARD 29CFR 1910.134.

VENTILATION:
PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THELOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.

PROTECTIVE GLOVES:
USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT.

EYE PROTECTION:
DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS.

OTHER PROTECTIVE EQUIPMENT:
DO NOT GET ON SKIN. USE IMPERMEABLE PROTECTIVE CLOTHING.PREVENT SKIN CONTACT WITH CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED CLOTHING. WASH BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED SHOES. EYE BATH AND SAFETY SHOWER SHOULD BE AVAILABLE.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
 DO NOT PRESURIZE, CUT, WELD, GRIND. DO NOT STORE ABOVE 120 °F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN HOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

OTHER PRECAUTIONS:
 DO NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE SMOKING OR EATING. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP AWAY FROM HEAT, SPARKS, FLAMES AND STATIC ELECTRICITY. DON'T CUT OR WELD ON OR NEAR EMPTIED CONTAINERS. FOLLOW ALL HAZARD PRECAUTIONS GIVEN IN THIS SHEET UNTILL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED.

SECTION X SARA TITLE III INFORMATION

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: N/A

NAME	XYLENE MIXED ORTHO, META AND PARA ISOMERS	1,2,4-TRIMETHYLBENZENE	CUMENE		
CAS#	001330-20-7	000095-63-6	000098-82-8		
PC. WEIGHT	2.0000	19.0000	1.0000		

SECTION XI D.O.T. REGULATIONS (TRANSPORTATION)

Hazard class	3
ID number	UN 1268
Packing Group	III
Proper shipping name	PETROLEUM DISTILLATES N.O.S.
Label	3
US Domestic Ground Shipments	Combustible liquids N.O.S. , NA1993
US Domestic Ground Shipments Non Bulk (in containers 119 gal or less)	Not Regulated by DOT

Cross Border transport (ADR/RID)	
ADR/RID class	3 Flammable Liquids
Danger code (Kemler)	30
UN number	1268
Packing group	III
Description	PETROLEUM DISTILLATES N.O.S.

Marine transport (IMDG)	
IMDG class	3
UN number	1268
Label	3
Packing group	III
EMS Number	F-E,S-E
Marine pollutant	YES
Proper shipping name	PETROLEUM DISTILLATES N.O.S.

Air transport (ICAO-TI and IATA-DGR)	
ICAO/IATA class	3
UN number	1268
Label	3
Packing group	III
Proper shipping name	PETROLEUM DISTILLATES N.O.S.

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