

M A T E R I A L   S A F E T Y   D A T A   S H E E T

WOOD FLOOR ADHESIVE

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PRODUCT NAME: Bel-Air MCU-60  
PRODUCT CODE: BELAIR7360

HMIS CODES: H F R P  
2 1 0 X

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: DriTac Flooring Products, LLC  
ADDRESS : 60 Webro Road  
Clifton, NJ 07012

EMERGENCY PHONE : 1-800-424-9300      DATE PRINTED : 7/31/2013  
INFORMATION PHONE : 1-973-614-9000      NAME OF PREPARER : R&D LAB

CHEMICAL FAMILY: MOISTURE CURE URETHANE

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

PREPOLYMER	PROPRIETARY MIXTURE	20 - 30%
FILLERS	PROPRIETARY MIXTURE	45 - 55%
SYNTHETIC RESINS	PROPRIETARY MIXTURE	10 - 20%
HYDROCARBON SOLVENT	CAS # 64742-48-9	2 - 4%

SECTION III - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
**MDI MIXED ISOMERS OF DIPHENYLMETHANE DIISOCYANATE CONTAINED 4,4'DIPHENYLMETHANE DIISOCYANATE MDI : OSHA CLV 0.02 ppm ACGIH TWA 0.005 ppm CONTAINED MDI MIXED ISOMERS	MIXTURE 101-68-8  26447-40-5	<0.00001 77 F	0.5 - 1.2
HYDROCARBON SOLVENT This product does not contain Section 313 Reportable Ingredients	64742-48-9	0.07 68 F	2 - 4

\*Indicates toxic chemical(s) subject to the reporting requirements of sections 312 and 313 of Title III and of 40 CFR 372.  
THIS PRODUCT CONTAINS PARTICULATES (FILLERS) THAT ARE BLENDED INTO A LIQUID AND POSE NO HAZARD AS SUPPLIED. THEY MAY HOWEVER BE RELEASED IF FINAL PRODUCT IS MACHINED, I.E. SANDED, CUT, ETC.

SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 208 °C (406 °F)      SPECIFIC GRAVITY (H2O=1): 1.45-1.55  
VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN N-BUTYL ACETATE  
  
COATING V.O.C.: 52 g/l      MATERIAL V.O.C.: 53 g/l  
SOLUBILITY IN WATER: N/A  
APPEARANCE AND ODOR: LIGHT BROWNISH, MILD ODOR

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 107 °C (225°F)      METHOD USED: ASTM D3828-07

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A      UPPER: N/A =

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**EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL**

**SPECIAL FIREFIGHTING PROCEDURES**

USE SELF-CONTAINED BREATHING APPARATUS; AVOID SKIN CONTACT

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

FIRE MAY PRODUCE POISONOUS OR IRRITATING GAS, FUMES OR VAPOR. EXCESSIVE HEAT MAY TRIGGER POLYMERIZATION OF CONFINED MATERIAL. CONTAINERS MAY EXPLODE IN HEAT OF FIRE. VAPORS ARE UNINHIBITED AND MAY FORM POLYMERS IN VENTS OF STORAGE TANKS, RESULTING IN STOPPAGE OF VENTS. EXPOSED FIREFIGHTERS SHOULD WEAR MSHA/NIOSH APPROVED (FULL PROTECTION) GEAR.

===== **SECTION VI - STABILITY AND REACTIVITY** =====

**STABILITY: STABLE**

**CONDITIONS TO AVOID**

AVOID CONDITIONS WHERE CONTAMINATION WITH STRONG OXIDIZING AGENTS OR WATER SENSITIVE MATERIALS MAY OCCUR. SEE BELOW.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

REACTS WITH STRONG OXIDIZING AGENTS AND ANY WATER SENSITIVE MATERIAL. EXERCISE CAUTION. READ MSDS POSTER FOR DETAILS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

BY HIGH HEAT AND FIRE: CARBON MONOXIDE, OXIDES OF NITROGEN, TRACES OF HCN, MDI VAPORS OR AEROSOLS.

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

===== **SECTION VII - HEALTH HAZARD DATA** =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

IRRITATING TO THE EYES, NOSE AND RESPIRATORY TRACT. CAN CAUSE WHEEZING, COUGHING, SHORTNESS OF BREATH, AND TIGHTNESS IN THE CHEST.

CAN CAUSE SEVERE RESPIRATORY HYPERSENSITIVITY (I.E. ALLERGIC REACTIONS)

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN CAUSE SEVERE IRRITATION AND ALLERGIC SKIN REACTIONS, INCLUDING REDNESS, ITCHING AND BURNING SENSATIONS.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

TO AVOID ANY POSSIBLE SKIN IRRITATION, IT IS DESIRABLE TO MINIMIZE SKIN CONTACT WITH THIS PRODUCT AS MUCH AS POSSIBLE BY WEARING APPROPRIATE PROTECTIVE CLOTHING, GLOVES, CHEMICAL SAFETY GOGGLES, ETC.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

TOXIC IF SWALLOWED. MAY CAUSE VOMITING, NAUSEA, DIARRHEA. THE MATERIAL WILL COAGULATE (SOLIDIFY) IN THE DIGESTIVE TRACT. SEEK IMMEDIATE MEDICAL ATTENTION.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

SEVERELY IRRITATING TO THE MOUTH, THROAT, AND STOMACH. CAN CAUSE NAUSEA, PAIN, STOMACH UPSET.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

LUNGS AND RESPIRATORY SYSTEM. SKIN. IMMUNE SYSTEMS AND/OR SPECIFIC CHEMICAL ALLERGIES.

===== **SECTION VIII - FIRST AID PROCEDURES** =====

WASH THE SKIN WITH SOAP AND WATER. IF SPLASHED IN THE EYE, FLUSH WITH COPIOUS AMOUNTS OF WATER AND SEEK MEDICAL HELP, IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. CONSULT A PHYSICIAN. INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. CONSULT A PHYSICIAN IMMEDIATELY FOR ADVICE AND SUPERVISION OF FIRST AID PROCEDURES.

===== **SECTION IX - ACCIDENTAL RELEASE MEASURES** =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

CONTAIN SPILL. RECOVER AS MUCH AS POSSIBLE FOR REUSE. ABSORB REMAINDER WITH AN INERT MATERIAL. PLACE INTO CLOSED CONTAINER AND STORE IN A SAFE LOCATION FOR DISPOSAL. WASH SPILL AREA WITH SOAP AND WATER. USE CARE TO AVOID FALLS.

**WASTE DISPOSAL METHOD**

DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. PUT SPILL THAT HAS BEEN ABSORBED WITH INERT MATERIAL (E.G., SAWDUST) INTO A CONTAINER FOR DISPOSAL.

===== **SECTION X - HANDLING AND STORAGE** =====

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OPEN CONTAINERS IN WELL VENTILATED AREA AWAY FROM SPARKS OR OPEN FLAME. WEAR APPROPRIATE PROTECTIVE CLOTHING  
EQUIPMENT - SEE HMIS LABEL CODES AND MSDS POSTER GUIDE.

**OTHER PRECAUTIONS**

CONCENTRATIONS OF ISOCYANATE VAPORS (FROM MDI) ABOVE THE TLV CAN IRRITATE THE MUCOUS MEMBRANES AND RESPIRATORY TRACT  
CAUSING RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT AND REDUCED LUNG FUNCTION AND PULMONARY  
EDEMA, ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA. APPROPRIATE SAFETY MEASURES AND PROTECTIVE  
EQUIPMENT SHOULD BE USED. STORE ONLY IN WELL VENTILATED AREAS INDOORS AT TEMPERATURES BETWEEN  
64DF AND 86DF.

===== **SECTION XI - EXPOSURE CONTROL/PERSONAL PROTECTION** =====

**RESPIRATORY PROTECTION**

IF EXPOSURE EXCEEDS OSHA/ACGIH TLV VALUES, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE WITH  
29 CFR 1910, 134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS, PLUS A  
MIST FILTER AS APPROPRIATE.

**VENTILATION**

EFFECTIVE EXHAUST VENTILATION SHOULD ALWAYS BE PROVIDED TO DRAW MISTS, FUMES AND VAPORS AWAY FROM WORKERS TO PREVENT  
ROUTINE INHALATION.

**PROTECTIVE GLOVES**

RECOMMENDED.

**EYE PROTECTION**

WEAR SAFETY GOGGLES TO PREVENT EYE CONTACT.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

N/A

**WORK/HYGIENIC PRACTICES**

SAFETY SHOWER, EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE. WASH HANDS BEFORE EATING, DRINKING, ETC.

===== **SECTION XII - TOXICOLOGICAL INFORMATION** =====

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

THE THRESHOLD LIMIT VALUE FOR THIS PRODUCT HAS NOT BEEN ESTABLISHED. NO ACUTE OR CHRONIC HEALTH HAZARDS REPORTED.

**LD50**

Methylene Diphenyl Isocyanate (MDI)	101-68-8	Accute Oral Toxicity (LD50 RAT)	> 10,000 mg/kg
		Dermal Toxicity (LD50 RABBIT)	> 5,000 mg/kg

**CARCINOGENICITY:** THIS PRODUCT CONTAINS METHYLEN DIPHENYL ISOCYANATE (MDI).

MDI IS NOT LISTED AS A CARCINOGEN BY NTP, OR IARC. NOT REGULATED BY OSHA.  
HOWEVER, IT HAS BEEN SHOWN TO ALTER CELLS IN CERTAIN EXPERIMENTS. ALTHOUGH INCONCLUSIVE, THESE CELLULAR CHANGES ARE  
THOUGHT TO INDICATE POTENTIAL CARCINOGENICITY.

**LOCAL EFFECTS:** MAY LEAD TO SENCITIZATION TO DIISOCYANATES OR POLYISOCYANATES (ASTMA OR ASTMA-LIKE SYMPTOMS),  
CAUSING AN INDIVIDUAL TO EXPERIENCE ADVERSE EFFECTS AT EXPOSURE LEVELS WELL BELOW EXPOSURE LIMITS OR GUIDELINES.  
SYMPTOMS MAY INCLUDE CHEST TIGHTNESS, WHEEZING, SHORTNESS OF BREATH, COUGHING OR ASTMATIC ATTACK, AND MAY BE DELAYED UP  
TO SEVERAL HOURS. EXTREME ASTMATIC REACTIONS CAN BE LIFE THREATENING. ONCE SENSITIZED, AN INDIVIDUAL MAY EXPERIENCE  
ADVERSE SYMPTOMS UPON EXPOSURE TO DUST, COLD AIR OR OTHER IRRITANTS. SENSITIZATION CAN LAST SEVERAL MONTHS, YEARS OR BE  
PERMANENT IN SOME CASES. CHRONIC EXPOSURE MAY CAUSE LUND DAMAGE INCLUDING FIBROSIS AND DECREASE LUNG FUNCTION, THAT MAY  
BE PERMANENT.

===== **SECTION XIII - ECOLOGICAL INFORMATION** =====

POSSIBILITY OF ENVIRONMENTAL IMPACT:  
NOT KNOWN

ORGANIC SOLVENTS PRODUCE LIGHT TO MODERATE TOXICITY TO AQUATIC LIFE.

===== **SECTION XIV - TRANSPORTATION INFORMATION** =====

DOT  
NOT REGULATED AS DANGEROUS GOODS  
IATA  
NOT REGULATED AS DANGEROUS GOODS  
IMDG

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NOT REGULATED AS DANGEROUS GOODS

===== **SECTION XV - REGULATION INFORMATION** =====

ALL COMPONENTS ON THE U.S. EPA TSCA INVENTORY LIST.

THIS PRODUCT CONTAINS CHEMICAL SUBJECT TO THE REPORT REQUIREMENTS OF SARA SECTIONS 312 and 313 of Title III and of 40 CFR 372.

MDI MIXED ISOMERS OF DIPHENYLMETHANE DIISOCYANATE                      MIXTURE                      0.5 - 1.2%

U.S. TSCA (TOXIC SUBSTANCES CONTROL ACT) - SECTION 12(b) - EXPORT NOTIFICATION

NAPHTALENE    CAS# 91-20-3                      TRACES

U.S. CALIFORNIA PROPOSITION 65 - CARCINOGENS LIST

NAPHTALENE    CAS# 91-20-3                      TRACES

INTERNATIONAL REGULATIONS    THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS AND CONTAINS ALL THE INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATION.

===== **SECTION XVI - OTHER INFORMATION** =====

THE INFORMATION PROVIDED IN THIS MSDS HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE.    HOWEVER, WE PROVIDE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, AND WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN.    IT IS THE USER'S RESPONSIBILITY TO SEE THAT THE DATA IS COMPLETE FOR HIS/HER PARTICULAR USE.