

Safety Data Sheet

	Section 01 - Identification		
Common / Product Name:	ResinDek [®] LD, SD, MD, HD, Xspan [®] , WR UF		
	ResinDek [®] LD, SD, MD, HD, Xspan [®] Gray Dia	mond Seal®, ESD,	
	TriGard [®] ESD, TriGard [®] ESD Ultra, WR and ReShield [™]		
Revision Date:	February 13, 2025		
Recommended Use:	Flooring Products		
	Shelving		
Identification of the Company:	Universal Woods Inc.		
	2600 Grassland Drive		
	Louisville, KY 40299-2591		
	USA		
	Emergency Telephone No:	(502) 491 1477	
	Other Information Calls:	(502) 491 1461	
Emergency Information:	CHEMTREC 24 HR. Emergency Telephone:		
	U.S. /North America:	(800) 424-9300	
	International:	(703) 527-3887	

Section 02 - Hazard(s) Identification

Emergency Overview

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., grinding, sanding, cutting, pulverizing) that reduce its particle size. Those hazards are described below.

Physical Hazards	Not Classified	
Health Hazards	Eye Irritation	Category 2B
	Sensitization, Respiratory	Category 1
	Sensitization, Skin	Category 1A
	Carcinogenicity	Category 1A
	Specific Target Organ Toxicity, Single	Category 3 Respiratory Tract Irritation
	Exposure	
	Specific Target Organ Toxicity, Repeated	Category 1 (Respiratory System)
	Exposure	
Enviornmental Hazards	Not classified	
OSHA Defined Hazards	Combustible Dust	
Label Elements	\wedge	

Signal Word Hazard Statement

Danger

May cause an allergic skin reaction. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause cancer. Causes damage to organs (respiartory system) through prolonged or repeated exposure. If small particles of wood dust are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

Precautionary Statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor or other qualified medical professional. If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
Disposal	Dispose of contents/container in accordance to local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None Known
Supplemental Information	None

Supplemental Information

None

Section 03 - Composition/Information on Ingredients

Chemical Name	CAS #	Weight %	
Wood/Wood Dust	Not Assigned	80 - 100	
Methylene Bisphenol	101-68-8	1 - 5	
Isocyanate (MDI)	101-00-0	1-2	
Polymeric MDI (pMDI)	9016-87-9	1 - 5	
2,4'-Diphenyl Methane	5873-54-1	0.1 - 1	
Diisocyanate	3873-34-1	0.1 - 1	
Other components below		0.5 - 1.5	
reportable levels		0.5 - 1.5	

Other components below reportable levels

The specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 04 - First-Aid Measures

Inhalation	Remove from area of exposure. If the affected person is not breathing, apply artificial respiration. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.
Skin Contact	If irritation develops, wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye Contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion	If wood or wood dust is swallowed, get immediate medical attention or advice Do not induce		
	vomiting.		
Most Important Symptoms/Effects, Acute and Delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Difficulty in breathing.		
Indication of Immediate Medical Attention and Special Treatment Needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.		
General Information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.		
	Section 05 - Fire-Fighting Measures		
Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.		
Unsuitable Extinguishing Media	Heavy water (or jet) stream may cause dust to become airborne and create a flash fire hazard or an explosive atmosphere.		
Specifica Hazards Arising from the Chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.		
Specific Protective Equipment and Precaustions for Firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
Fire Fighting Equipment/Instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.		
Specific Methods	To avoid dust clouds, responders should use the extinguisher from as far away as possible and apply the extinguishing agent as gently as possible. The main considerations with hose stream operation are to avoid creating combustible dust clouds or introducing more air. In particular, the use of solid streams and direct dust pile hits can disperse dust into the air creating a potential flash fire hazard. The best way to apply water is in a medium to wide-pattern, as gently as possible. Responders should use a low nozzle pressure and loft the stream onto the burning material from as far away as the stream will reach. The use of wide-pattern (or "fog") streams at pressures typically used.		
General Fire Hazards	May form combustible dust concentrations in air.		
	Section 06 - Accidental Release Measures		
Personal Precautions, Protective Equipment, and Emergency Procedures	Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.		
Methods and Materials for Containment and Cleaning Up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Vacuum dust with dust ignition proof vacuum or wet sweep small wood pieces and dust; place in appropriate container for disposal. Gather larger pieces by an appropriate method. Reduce airborne dust by use of wet methods (e.g. water mist) and prevent scattering by moistening with water. For waste disposal, see section 13 of the SDS.		
Enviornmental Precautions	Avoid discharge into drains, water courses or onto the ground.		

Section 07 - Handling and Storage

operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Use personal protective equipment as required. Ensure dust collection systems used for conveying combustible wood dusts are protected with and equipped with fire and explosion prevention and protection equipment. See NFPA 664 and NFPA 69 for further requirements, information and guidance.	Precautions for Safe Handling	atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Use personal protective equipment as required. Ensure dust collection systems used for conveying combustible wood dusts are protected with and equipped with fire and explosion prevention and protection equipment. See NFPA 664 and NFPA 69 for further
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Conditions for Safe Storage, Including any Store flat, supported and protected from direct contact with the ground. Store away from Incompatabilities incompatible materials (see Section 10 of the SDS). Store in a cool dry place.

Section 08 - Exposure Controls/Personal Protection

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Methylene Bisphenol Isocyanate (MDI) (CAS 101-	Ceiling	0.2 mg/m ³	
68-8)		0.02 ppm	
US. OSHA Table Z-3 (29 CFR 1910	.1000)		
Components	Туре	Value	Form
	714/4	5 mg/m ³	Respirable Fraction
Wood/Wood Dust	TWA	15 mg/m ³	Total Dust
ACGIH			
Components	Туре	Value	Form
Wood/Wood Dust	TWA	1 mg/m ³	Inhaleable Fraction
US. ACGIH Threshold Limit Value	5		
Components	Туре	Value Fe	
Methylene Bisphenol			
Isocyanate (MDI) (CAS 101-	TWA	0.005 ppm	
68-8)			
US. NIOSH: Pocket Guide to Chen	nical Hazards		
Components	Туре	Value	Form
Mathulana Dianhanal	Coiling	0.2 mg/m ³	
Methylene Bisphenol	Ceiling	0.02 ppm	

			0.05 mg/m^3		
	68-8)	TWA	0.005 ppm		
	Wood/Wood Dust	TWA	1 mg/m ³	Dust	
Biological Lim	it Values	No biological exposure limit	s noted for the ingredient(s).	
Exposure Gui	delines		-	adhere to exposure limits contained i	
			-	in limits were vacated in 1992. The	
			its governing wood dust is 1	5 mg/m3 (Total Dust) and 5 mg/m3	
		(Respirable Fraction).			
Appropriate Engineering Controls Due to the fire and explosive potential of dust when suspended in air, precautions should be taken when material is used in any operation which may generate dust. Local exhaust, gene dilution ventilation in enclosed areas, and explosion proof equipment is recommended. Use methods, if appropriate, to reduce airborne dust concentrations.					
	tection Measures, Such as P				
Eye/Face ProtectionSafety glasses or goggles are recommended when using this product. ErOSHA's PPE standard (29 CFR 1910.132 and .133) for eye and face prote					
Skin Protectio	.n		1 1910.132 and .133/101 ey		
Skin Protectio	Hand Protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.			
	Other	Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151 (c)).			
Respiratory P	rotection	A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas when permissible exposure limits may be exceeded. Respirators should be selected by and use under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).			
Thermal Haza	rds	Wear appropriate thermal protective clothing (i.e. flame resistant clothing and head/face protection), when potential flash fire or explosion hazards are present.			
General Hygie	ene Considerations				

Section 09 - Physical and Chemical Properties			
Appearance	Rigid boards or panels		
Physical State	Solid		
Form	Solid Wood		
Color	Various		
Odor	Not Available		
Odor Threshold	Not Available		
рН	Not Applicable		
Melting Point/Freezing Point	Not Applicable		
Initial Boiling Point and Boiling Range	Not Available		
Flash Point	Not Applicable		
Evaporation Rate	Not Applicable		

Flammability (Solid, Gas)	Not Applicable
Upper/Lower Flammability or Explosive Li	
Flammability Limit - Lower	
(%)	(MEC) for the combustible dust. The MEC will vary with particle size of the wood dust.
	Recommend MEC testing for specific wood dust particle sizes generated or handled.)
Flammability Limit - Upper (%)	Not Available
Explosive Limit - Lower (%)	Not Available
Explosive Limit - Upper (%)	Not Available
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Relative Density	Not Available
Solubility(ies)	
Solubility (Water)	Insoluble
Partition Coefficient (n-octanol/water)	Not Applicable
Auto-ignition Temperature	399.92 - 500 °F (204.4 - 260 °C) for wood
Decomposition Temperature	Not Available
Viscocity	Not Available
Other Information	
Bulk Density	Not Applicable
Dust Explosion Properties	
St Class	1 Weak Explosion
Explosive Properties	Not Explosive
Flash Point Class	Combustible
Oxidizing Properties Specific Gravity	Not Oxidizing Variable
	Section 10 - Stability and Reactivity
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Dust accumulation, dispersion of dust in air, high temperatures, open flame, sparks, or other
	sources of ignition.
Incompatible Materials	Strong acids, alkalies, oxidizing agents and drying oils.
Hazardous Decomposition Products	Thermal decomposition may emit irritating fumes or gases of carbon monoxide, carbon dioxide,
•••••	aldehydes, or organic acids.
	Section 11 - Toxicological Information
Information on Likely Routes of Exposure	
Inhalation	Inhalation of dusts may cause respiratory irritation. May cause allergy or asthma symptoms or
	breathing difficulties if dust inhaled. Prolonged inhalation may be harmful.
	- , , , , , , , , , , , , , , , , , , ,
Skin Contact	May cause an allergic skin reaction.
Eye Contact	Causes eye irritation.
Ingestion	Not applicable under normal conditions of use. May result in obstruction or temporary irritation
	of the digestive tract.
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Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Difficulty in breathing.

Information on Toxicological Effects

Acute Toxicity

	Acute Toxicity				
	Product	Acut	e Dermal	Species	Test Results
	Methylene Bisphenol	L	D50	Rabbit	> 10,000 mg/kg
	Isocyanate (MDI) (CAS 101-		alation	Species	Test Results
	68-8)	Vapo	or - LC50	Rat	0.178 mg/L
		Ora	l - LD50	Nat	> 10,000 mg/kg
	*Estimates for product may	be based on	additional comp	onent data not shown.	
Skin Corrosio	n/Irritiation	Prolonged s	kin contact may	cause temporary irritation	on.
Serious Eye D	amage/Eye Irritation	Causes eye	irritation.		
Respiratory o	r Skin Sensitization				
	Respiratory Sensitization	-		a symptoms or breathing	difficulties if inhaled.
	Skin Sensitization	-	an allergic skin r		
Germ Cell Mu	tagenicity			e product or any compon	ents present at greater than 0.1% are
		mutagenic o	or genotoxic.		
Carcinogenici	ty	Wood dust generated from sawing, sanding or machining this product may cause nasal dryness, irritation, coughing and sinusitis. The International Agency for Research on Cancer (IARC), and National Toxicology Program (NTP) classifies wood dust as a carcinogen. This classification is based on the increased occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The evaluation noted insufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or rectum with exposure to wood dust.			
Methylene Bis (CAS 101-68-8		3	Not classifiabl	le as to carcinogenicity to	
	I (pMDI) (CAS 9016-87-9)	3		le as to carcinogenicity to	humans.
	Dust (CAS Not Assigned)	1	Carcinogenic	to humans.	
	ally Regulated Substances (2	29 CFR 1910.1	.001-1052)		
Not Regulated	ہ Foxicology Program (NTP) Re	nort on Care	niogons		
	Dust (CAS Not Assigned)		e human carcino	Ngen	
Reproductive				d to cause reproductive of	r developmental effects
=	t Organ Toxicity - Single		respiratory irrita		developmental effects.
Exposure	torgan roxierty single	ividy couse i	copilatory inita		
-	t Organ Taviaity Damastad	Courses de	and to average la	oppington, protocol the	the prolonged or reported our source
	t organ loxicity - Repeated	causes dam	age to organs (r	espiratory system) throug	gh prolonged or repeated exposure.
Exposure					
Aspiration Ha		-	ration hazard.		
Chronic Effect	S	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.			
		Sec	tion 12 - Ecolog	ical Information	
F					
Ecotoxicity	EcotoxicityThe product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the				

environment.

Persistence and Degradability	No data is available on the degradability of this product.
Bioaccumulative Potential	No Data Available
Mobility in Soil	No Data Available
Other Adverse Effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation
	potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - Disposal Considerations		
Disposal Instruction	Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.	
Local Disposal Regulations Hazardous Waste Code	Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from Residues/Unused Products Contaminated Packaging	Dispose of in accordance with local regulations. Empty packing/container can be disposed in accordance with all applicable regulations.	

DOT	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
ΙΑΤΑ	Not regulated as dangerous goods.
Transport in Bulk According to Annex II of	Not Applicable
MARPOL 73/78 and IBC Code	

Section 15 - Regulatory Information		
US Federal Regulations	Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard 29 CFR 1910.1200. Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous and is regulated under the Hazard Communication Standard 29 CFR 1910.1200.	
Toxic Substance Control Act (TSCA) TSCA Section 12(b) Export Not Regulated Notification (40 CFR 707, Subpt. D)		
TSCA Chemical Action Plans, Chemical of Concern	2,4'-Diphenyl Methane Diisocyanate (CAS 5873-54-1)	Methylene Diphenyl Diisocyanate (MDI) and Related Compounds Action Plan [RIN 2070-ZA15]
	Methylene Bisphenol Isocyanate (MDI) (CAS 101-68-8)	Methylene Diphenyl Diisocyanate (MDI) and Related Compounds Action Plan [RIN 2070-ZA15]
	Polymeric MDI (pMDI) (CAS 9016-87-9)	Methylene Diphenyl Diisocyanate (MDI) and Related Compounds Action Plan [RIN 2070-ZA15]
CERCLA Hazardous Substance List (40 CFR 302.4)	Methylene Bisphenol Isocyanate (MDI) (CAS 101-68-8)	Listed
SARA 304 Emergency Release Notification	Not Regulated	
OSHA Specifically Regulated Substances (29 CFR	Not Regulated	

1910.1001-1052)

Superfund Amendments and reauthorization Act of 1986 (SARA)

SARA 302 Extremely	
Hazardous Substance	

SARA 311/312 Hazardous Yes

Chemical

Classified	Combustible Dust
Hazard	Serious Eye Damage or Eye Irritation
Categories	Respiratory or Skin Sensitization
	Carcinogencity
	Specific Target Organ Toxicity (Single or Repeated Exposure)

SARA 313 (TRI) Reporting

Chemical Name	CAS Number	% by Wt.
Methylene Bisphenol	101-68-8	1 - 5
Isocyanate (MDI)	101-00-0	1-5
Polymeric MDI (pMDI)	9016-87-9	1 - 5

Other Federal Regulations Clean Air Act (CAA) Section 112 Hazardous Methylene Bisphenol Isocyanate (MDI) (CAS 101-68-8) Air Pollutants (HAPs) List

Not Listed

US State Regulations California Proposition 65	WARNING:
Safe Drinking Water Act (SDWA)	Not Regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not Regulated

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust, or use a dust mask or other safeguards for personal protection. For more information go to: www.P65Warnings.ca.gov/wood

Listed: 12/18/2009

US - California Proposition 65 - CRT: Listed Wood/Wood Dust (CAS Not Assigned) date/Carcinogenic substance

US. California. Candidate Chemicals List.2,4'-Diphenyl Methane Diisocyanate (CAS 5873-54-1)Safer Consumer Products RegulationsMethylene Bisphenol Isocyanate (MDI) (CAS 101-68-8)(Cal. Code Regs, tit. 22, 69502.3, subd. (a))Polymeric MDI (pMDI) (CAS 9016-87-9)

Internal Inventories

Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other Information

Issuing Date: 07-23-20	
Further Information	Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the
	Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
HMIS [®] Ratings	Health: 2*
-	Flammability: 1
	Physical hazard: 0
NFPA Ratings	Health: 2
	Flammability: 1
	Physical hazard: 0
Disclaimer	This SDS is intended to quickly provide useful information to the user(s) of this material or
	product. It is not intended to serve as a comprehensive discussion of all possible risks or
	hazards, and it assumes a reasonable use of the product. The information contained in this SDS
	is believed to be accurate as of the date of preparation of this SDS and has been compiled from
	sources believed to be reliable. It is offered for your consideration, investigation and
	verification. The user or handler (or their employer) should consider the specific conditions in
	which this material will be used, handled, or stored and determine what specific safety or other
	precautions are required. The condition or methods of handling, storage, use and disposal of the
	product are beyond our control and may be beyond our knowledge. For this reason, we do not
	assume responsibility and expressly disclaim liability for loss, damage or expense arising out of
	or in any way connected with the handling, storage, use, or disposal of the product.