

SAFETY DATA SHEET: Bison Deck Supports

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Section 1: Product Information

Product Name:	Bison Deck Supports	
Description:	Pedestal Supports	
Prepared By:	Bison Innovative Products	
Chemical:	Bison Series:	Products:
Resin 1 (BB-PP-2025)	Pedestals	All pedestals unless otherwise specified.
	Accessories	BB-BRACE, BB-C, BB-CONNECT, BB-FH, BB-PEG, PS1, HD50, HD75, LO, LD4, Wedge, FIB (Plastic Only), FFB, FS-12, and JT
Resin 2 (TPE)	Accessories	B11, HD25
Resin 3 (YELLOW)	Pedestals	Yellow Coupler
Resin 4 (BLUE)	Pedestals	Blue Coupler
Resin 5 (NYLON)	Accessories	FS-1 Washer
Resin 6 (ABS)	Accessories	BB-BRACE Locking Pins, Coupler Tool
Steel Plate	Accessories	FIB - Steel Plate (See FIB SDS)
Adhesive	Accessories	FIB - Adhesive (See FIB SDS)

Section 2: Hazard Identification

Dusts generated from machining may be mildly irritating to the skin and eyes. Use personal protective equipment as required. Dispose of contents/container in accordance with Federal, State, and Local regulations.

Section 3: Composition/Information on Ingredients

Resin	Chemical Name	CAS#	Concentration %	NIOSH/OSHA PEL	ACGIH TLV	LD50 or LC50 Species and route
Resin 1	Polypropylene	9003-07-0	0-100%	-	-	Inert
	Polypropylene Copolymer	9010-79-1	0-100%	-	-	Inert
	Talc	14807-96-6	15-25%	TWA 2mg/m ³ (resp)	TWA 2mg/m ³ (resp)	NE, lung irritant as airborne dust
	Pigment	*Proprietary	0-2%	TWA 5mg/m ³ (resp)	TWA 3mg/m ³ (resp)	NE, lung irritant as airborne dust
	Additives and Polymer Stabilizers	*Proprietary	0-2%	-	-	-
Resin 2	Polypropylene	9003-07-0	0-100%	-	-	Inert
	EDPM	25038-6-2	0-100%	-	-	-
	Carbon Black	1333-86-4	0-2%	-	-	-
Resin 3	Titanium Dioxide	13463-67-7	15%	-	-	-
Resin 4	Titanium Dioxide	13463-67-7	42%	-	-	-
Resin 5	Impact Modified Nylon 66	*Proprietary	>98%	-	-	-
	Black Concentrate	*Proprietary	<1-2%	-	-	-
Resin 6	ABS	9003-56-9	95-100%	-	-	-
	*Proprietary	*Proprietary	1-10%	-	-	-

Section 4: First Aid Measures

Eye Irritation: Flush eyes thoroughly with clean, low-pressure water for 15 minutes. Treat as one would a foreign contaminant and seek medical attention. Check for and remove contact lenses.

Skin Irritation: Wash affected skin thoroughly with soap and water.

Respiratory Irritation: Upon cutting and machining generating dust, leave the exposure area and obtain fresh air. Provide appropriate protection before allowing re-entry.

Ingestion: Drink lots of water and seek medical attention, product has minimal toxicity.

Seek medical attention should symptoms worsen or don't go away on their own.

Section 5: Fire Fighting Measures

Extinguishing Media: CO₂, "Alcohol" Foam, Dry Chemical Fog, Water Spray

Explosion and Fire Hazards: No immediate danger. Should product be machined into dust, particulates may form explosive mixtures with the air.

Special Fire Fighting Procedures: Polypropylene is a slow burning plastic that generates a thick black smoke. Firefighters must wear self-contained breathing apparatus (SCBA). Level A garments for protection against thermal burns are recommended. Eye

SAFETY DATA SHEET: Bison Deck Supports

protection is strongly recommended. Avoid using direct streams of water on molten burning material as it may scatter and spread fire. If evacuation is necessary, evacuate upwind, and decontaminate personnel and equipment with water wash-down after fire and smoke exposure.
Upon decomposition, product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons. Traces of hydrogen cyanide may be found in fire conditions.

Section 6: Accidental Release Measures

Wear the appropriate protective equipment needed for handling, cutting, or other machining deck supports. Gloves, respiratory mask, and eye glasses recommended.

Keep jobsite clean at all times. Collect all waste and unused material in a manner that minimizes dust generation. Dispose waste according to local, state, and federal law. Prevent materials from entry into water supply or sewers. Contact proper authorities if public is likely to be affected.

Do not smoke on jobsite due to potential combustible dust particles when machined.

Section 7: Handling and Storage

Avoid extreme heat, source of ignition, or oxidizing agents when handling and storing.

Section 8: Exposure Control and Personal Protection

Respiratory Protection	Respiratory protection approved by NIOSH/MSHA for protection against airborne particulates when cutting or machining.		
Eye Protection	Wear safety glasses with side shields, goggles, or face shield when cutting or machining.		
Ventilation	When cutting or machining deck supports, make sure that particulates are allowed to ventilate.		
Other	Wash hands thoroughly after handling. Do not eat, drink, or smoke in the work area. Maintain a clean jobsite.		
Resin 3 & 4 Titanium dioxide CAS 13463-67-7	OSHA Exposure Limits 15 mg/m ³ TWA (total dust)	ACGIH Exposure Limits 10 mg/m ³ TWA (total dust)	Other Exposure Limits Not Established

Section 9: Physical and Chemical Properties

	Resin 1	Resin 2	Resin 3	Resin 4	Resin 5	Resin 6
Physical State	Solid	Solid	Solid	Solid	Solid	Solid
Odor	Mild, non-specific	Mild, non-specific	Mild, non-specific	Mild, non-specific	Mild, non-specific	-
Specific Gravity	1.06	>1.0	1.64	2.24	>1.0	1.02-1.08
Melting Point	162°C (324°F)	260°C+	-	-	455-509°F	-
Boiling Point	-	-	2500°C	2500°C	-	-
Vapor Pressure at 23°C	Negligible	-	-	-	-	-
% Volatile by Volume	Negligible	-	-	-	-	-
Vapor Density	-	-	-	-	-	-
Evaporation Rate at 23°C	-	-	-	-	-	-
Odor Threshold	-	-	-	-	-	-
pH	-	-	-	-	-	-
Solubility in Water at 23°C	Insoluble	Insoluble	-	-	Insoluble	-
Coefficient of Oil/Water Distribution	-	-	-	-	-	-
Ignition Temperature	-	-	349°C	349°C	851°F	-
Flash Point	-	-	-	-	788°F	-
Flammability	-	-	-	-	-	-
Explosive Limits	-	-	-	-	-	-
Decomposition Temperature	320-400°C (610-750°F)	-	-	-	50% -340°C 90% -900°C	-
Viscosity	-	-	-	-	-	-

Section 10: Stability and Reactivity

Stability	Stable at ambient temperatures. (Resin 3 & 4 Unstable)
Avoid	Acetal, Extreme Heat, Flame, Methylene Chloride, Potassium Permanganate, Liquid Chlorine and other oxidizing agents.
	Resin 2 reacts with acetal at temperatures of 218°C and above, producing decomposition of the acetal resin, and formaldehyde as a decomposition product.
	Resin 5 may emit toxic fumes and gases upon decomposition. Hydrogen cyanide, Nitrogen oxide, Carbon oxide, Ammonia gases may be liberated at high temperatures.

SAFETY DATA SHEET: Bison Deck Supports

Hazardous Decomposition Products	Thermal decomposition can occur under certain conditions producing (limited to): CO, CO ₂ , and organic oxidation products.
Hazardous Polymerization	Not expected to occur.

Section 11: Toxicological Information

Primary Routes of Exposure	Eye and skin contact.	
Eye Contact	May cause irritation from abrasion.	
Skin Contact	Not likely to cause skin irritation.	
Inhalation	If cutting or machining solid deck support without protective equipment it may cause irritation to the respiratory tract.	
Ingestion	Not likely a route of exposure. If dust particles due to cutting or machining are swallowed it may cause nausea, vomiting, and diarrhea.	
Carcinogenicity	Resin 1	This chemical is not listed as a hazardous chemical or carcinogen according to the National Toxicology Program (NTP) and the International Agency for Research on Cancer (IARC) respectively.
	Resin 3	Titanium dioxide (15%) CAS 13463-67-7. NIOSH: potential occupational carcinogen. IARC: Possible human carcinogen. OSHA: listed.
	Resin 4	Titanium dioxide (42%) CAS 13463-67-7. NIOSH: potential occupational carcinogen. IARC: Possible human carcinogen. OSHA: listed.

Section 12: Ecological Information

Resin 1	This material is generally inert and insoluble and is not expected to have any adverse effect on the environment. This material may deteriorate by several mechanisms including photo- and thermo- oxidative degradation. Photo degraded polymers are also more easily biodegradable.
Resin 2	Has not been found to migrate through soils.
Resin 5	Toxicity to fish. Not expected to be readily biodegradable. Not likely to accumulate in biological organisms. Has not been found to migrate through soils.

Section 13: Disposal Consideration

Resin 1	Recycle, reprocess, incinerate, or disposal of this product in accordance with Federal, State, and local laws.
Resin 2	Disposal of this product in accordance with Federal, State, and local laws.
Resin 3	Disposal of this product in accordance with Federal, State, and local laws.
Resin 4	Disposal of this product in accordance with Federal, State, and local laws.
Resin 5	Recycle, reprocess, incinerate, or disposal of this product in accordance with Federal, State, and local laws.
Resin 6	Incinerate, or disposal of this product in accordance with Federal, State, and local laws.

Section 14: Transport Information

Not regulated as hazardous material or dangerous good for transportation.	
Proper Shipping Name:	Bison Innovative Products

Section 15: Regulatory Information

		US Regulation				
TSCA	Resin 1	The components of these products are either listed on the TSCA inventory or exempt.				
	Resin 2	The components of these products are either listed on the TSCA inventory or exempt.				
	Resin 3	The components of these products are listed on the TSCA inventory.				
	Resin 4	The components of these products are listed on the TSCA inventory.				
	Resin 5	The components of these products are either listed on the TSCA inventory or exempt.				
DSL	Resin 1	All components in this product are listed on the Canadian Domestic Source List.				
CERCLA	Resin 2	Not on the list.				
OSHA	Resin 1	This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR1910.1200.				
	Resin 2	This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR1910.119.				
	Resin 5	This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR1910.1200.				
SARA Title III	Resin 1	Section 312 Extremely Hazardous Substance	None			
		Section 311/312 Hazard Categories	None			
		Section 313 Toxic Chemicals	None			
	Resin 2	Section 302	None			
		Section 311/312/313 Hazard Categories	None			
		Section 313 Toxic Chemicals	None			
Hazard Material Information Systems (USA) Health		Resin 5	Health – 0	Flammability – 1	Physical Hazard – 0	Instability - 0

SAFETY DATA SHEET: Bison Deck Supports

State Regulation		
California	(Proposition 65): Safe Drinking Water and Toxic Enforcement Act of 1986.	
Resin 1	⚠ WARNING: This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .	
Resin 2	⚠ WARNING: This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .	
Resin 3	⚠ WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .	
Resin 4	⚠ WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .	
Resin 5	⚠ WARNING: This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .	
Note	Chemicals listed in the Proposition 65 warning are bound within the polymer and must be airborne and unbound (not bound within a polymer matrix), and respirable size of 10 micrometers or less in diameter in order for these substances to be considered a Proposition 65 substance.	
Canadian Regulation		
DSL	Resin 2	Not on list
Ingredient Disclosure List	Resin 2	Not on list

Section 16: Other Information

Disclaimer: The data in this Safety Data Sheet applies only to the specific product designated herein and does not relate to use in combination with any other material or process. The data given here is based on current knowledge and experience. The purpose of this SDS is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customer and the protection of the environment. The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. United Construction Products, dba Bison Innovative Products and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. United Construction Products, dba Bison Innovative Products and its subsidiaries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.