

Safety Data Sheet

Wizard 31 Ball Plug Resin

SDS Revision Date:

6/30/2022



1. Identification

1.1. Product identifier

Product Identity Wizard 31 Ball Plug Resin

Alternate Names Part Numbers: 66-440027-256 /66-440028-256,
66-440126-064, 66-440026-064/66-440046-011
Wizard 31 Ball Plug Resin

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Brunswick Bowling Products
525 W. Laketon Ave.
Muskegon, MI 49441 USA

Emergency

CHEMTREC (USA) (800) 424-9300

24 hour Emergency Telephone No. CHEMTEL +1 813-248-0585

Customer Service: Brunswick Bowling & Billiards 231-725-4966

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315 Causes skin irritation.

Eye Irrit. 2;H319 Causes serious eye irritation.

Skin Sens. 1;H317 May cause an allergic skin reaction.

Repr. 1B;H360Df May damage the unborn child. Suspected of damaging fertility.

Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

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2.2. Label elements



Danger

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360Df May damage the unborn child. Suspected of damaging fertility.

H411 Toxic to aquatic life with long lasting effects.

[Prevention]:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

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3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Bisphenol A - Epichlorohydrin polymer CAS Number: 0025068-38-6	50 - 75	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	[1]
Benzenedicarboxylic acid, dibutyl ester CAS Number: 0000084-74-2	10 - 25	Repr. 1B;H360Df Aquatic Acute 1;H400	[1][2]
Alkyl(C12-C14)glycidyl ether CAS Number: 0068609-97-2	5 - 10	Skin Irrit. 2;H315 Skin Sens. 1;H317	[1]
p-tert-Butyl phenyl glycidyl ether CAS Number: 0003101-60-8	5 - 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	May damage the unborn child. Suspected of damaging fertility. Treat symptomatically. See section 2 for further details.
Eyes	Causes serious eye irritation.
Skin	May cause an allergic skin reaction. Causes skin irritation.

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Section 5. Fire-fighting measures

5.1. Extinguishing media

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.

In case of fire, toxic fumes may be generated. EXPLOSION HAZARDS: Explosion Limits, Lower:0.5% @ 235°C Upper: 2.5%

Isolate from heat, electrical equipment, sparks and open flames. Wear self contained breathing apparatus.

ERG Guide No. 171

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

SMALL SPILL: Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section). Wear a self-contained breathing apparatus and appropriate personal protective equipment.

LARGE SPILL: Not Established

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Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Follow all SDS/label precautions even after container is emptied because it may retain product residues.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

STORAGE TEMPERATURE: (60°F) Minimum to (90°F) Maximum

Incompatible materials: Strong oxidizing agents, strong acids, strong bases.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000084-74-2	Benzenedicarboxylic acid, dibutyl ester	OSHA	TWA 5 mg/m3
		ACGIH	TWA: 5 mg/m3
		NIOSH	TWA 5 mg/m3
		Supplier	No Established Limit
0003101-60-8	p-tert-Butyl phenyl glycidyl ether	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0025068-38-6	Bisphenol A - Epichlorohydrin polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068609-97-2	Alkyl(C12-C14)glycidyl ether	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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8.2. Exposure controls

Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Wear safety glasses with side shields to protect the eyes.
Skin	Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

An eye wash station and safety shower are suggested as a good workplace practice.

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Green Low Viscosity Liquid
Odor	Low Odor
Odor threshold	Not determined
pH	Not Available
Melting point / freezing point	Not Applicable
Initial boiling point and boiling range	Not Measured
Flash Point	264°C to 268°C (514°F) Estimated
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 0.5% Upper Explosive Limit: @ 235°C Upper: 2.5%
Vapor pressure (Pa)	20.25
Vapor Density	12 (air = 1)
Specific Gravity	1 to 1.2 g/cm ³ at 24°C (75°F)
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Available

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Decomposition temperature	Not Applicable
Viscosity (cSt)	Not Applicable
VOC Content	3.56-4.51 g/mL when combined with Wizard 31 Hardener (ASTM D2369)
9.2. Other information	
No other relevant information.	

Section 10. Stability and reactivity

10.1. Reactivity

Polymerization will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

10.2. Chemical stability

This product requires another product to react at room temperature. Mix and use product in accordance with directions for safety. Excessive heat and fume generation can occur if improperly handled. Not sensitive to mechanical impact.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

Strong oxidizing agents, strong acids, strong bases.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Section 11. Toxicological information

Acute toxicity

Based on the properties of the epoxy constituents and considering toxicological data on similar preparations this preparation may be an irritant and a skin and respiratory sensitizer. Low molecular weight epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and sensitization, possibly with cross-sensitization to other epoxies. Skin contact with the preparation and exposure to spray mist and vapor should be avoided.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Bisphenol A - Epichlorohydrin polymer - (25068-38-6)	> 5,000.00, Rat - Category: NA	20,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Benzenedicarboxylic acid, dibutyl ester - (84-74-2)	8,000.00, Rat - Category: NA	20,860.00, Rabbit - Category: NA	No data available	No data available	No data available
Alkyl(C12-C14)glycidyl ether - (68609-97-2)	No data available	No data available	No data available	No data available	No data available
p-tert-Butyl phenyl glycidyl ether - (3101-60-8)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000084-74-2	Benzenedicarboxylic acid, dibutyl ester	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0003101-60-8	p-tert-Butyl phenyl glycidyl ether	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025068-38-6	Bisphenol A - Epichlorohydrin polymer	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068609-97-2	Alkyl(C12-C14)glycidyl ether	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable

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Reproductive toxicity	1B	May damage the unborn child. Suspected of damaging fertility.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Bisphenol A - Epichlorohydrin polymer - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	Not Available
Benzenedicarboxylic acid, dibutyl ester - (84-74-2)	0.48, Lepomis macrochirus	2.99, Daphnia magna	0.21 (96 hr), Scenedesmus acutus
Alkyl(C12-C14)glycidyl ether - (68609-97-2)	Not Available	Not Available	Not Available
p-tert-Butyl phenyl glycidyl ether - (3101-60-8)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Log Kow 2.281 (estimate)

BCF 0.56-0.67

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

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Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA (no air)
14.1. UN number	UN3082	UN3082	UN3082
14.2. UN proper shipping name	UN3082, Environmentally hazardous substances, liquid, n.o.s.(BISPHENOL A EPOXY RESIN, DIBUTYL PHTHALATE), 9, III LTD QTY	Environmentally hazardous substances, liquid, n.o.s.(BISPHENOL A EPOXY RESIN, DIBUTYL PHTHALATE) LTD QTY	Environmentally hazardous substances, liquid, n.o.s.(BISPHENOL A EPOXY RESIN, DIBUTYL PHTHALATE) LTD QTY
14.3. Transport hazard class(es)	DOT Hazard Class: 9	IMDG: 9 Sub Class: Not Applicable	Air Class: 9
14.4. Packing group	III	III	III
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	No further information	EMS CODE: F-A S-F	

Section 15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS 1988 Classification	D2A
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

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Benzenedicarboxylic acid, dibutyl ester

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

Benzenedicarboxylic acid, dibutyl ester

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

Benzenedicarboxylic acid, dibutyl ester

Section 16. Other information

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The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360Df May damage the unborn child. Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material in any process, unless specified in the text.

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