

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

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 mixture and uses advised against:

Bowling ball plug resin for professional use.

1.3. Details of the supplier of the safety data sheet:

Brunswick Bowling Products, LLC

525 W. Laketon Ave.

Muskegon, MI 49441. USA

1.3.1. Responsible person: -

E-mail: brunswick.hu@brunswickbowling.com

1.4. Emergency telephone number:

24 hour Emergency Telephone No.: CHEMTEL +1 813-248-0585
Customer Service: Brunswick Bowling Products LLC: 231-725-4966

National Poisons Information Centre (NPI)

01 8092566; 01 8379964

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the mixture:

Classification according to Regulation 1272/2008/EC (CLP):

Skin corrosion/irritation, Hazard Category 2 – H315

Sensitisation - Skin, hazard category 1 – H317

Serious eye damage/eye irritation, Hazard Category 2 – H319

Reproductive toxicity, Hazard Category 1B – H360Df

Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411

Warning H statements:

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.

2.2. Label elements:

Components which define the hazards: Dibutyl phthalate; Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700); Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives; p-tert-Butyl phenyl glycidyl ether

GHS07



GHS08



DANGER

GHS09



Warning H statements:**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.**Precautionary P statements:****P202** – Do not handle until all safety precautions have been read and understood.**P261** – Avoid breathing dust/fume/gas/mist/vapours/spray.**P273** – Avoid release to the environment.**P280** – Wear protective gloves/eye protection/face protection.**P302 + P352** – IF ON SKIN: Wash with plenty of soap and water.**P305 + P351 + P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P308 + P313** – IF exposed or concerned: Get medical advice/attention.**P321** – Specific treatment (see information on this label).**P333 + P313** – If skin irritation or rash occurs: Get medical advice/ attention.**P337 + P313** – If eye irritation persists: Get medical advice/attention.**P391** – Collect spillage.**P405** – Store locked up.**P501** – Dispose of contents/container in accordance with local/national regulations.**Restricted to professional users.**2.3. Other hazards:

The product has no other known specific hazards for human or environment.

The product contains no PBT/vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1. Substance:

Not applicable.

3.2. Mixture:

The product contains the following substances that present a hazard within the meaning of the relevant regulations.

Description	CAS number	EU number / ECHA list number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) Index number: 603-074-00-8	25068-38-6	500-033-5	-	50 – 75	GHS07 GHS09 Warning	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H319 H315 H317 H411
Dibutyl phthalate (DBP)* Index number: 607-318-00-4	84-74-2	201-557-4	-	10 – 25	GHS08 GHS09 Danger	Repr. 1B Aquatic Acute 1	H360Df H400
Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives Index number: 603-103-00-4	68609-97-2	271-846-8	-	5 – 10	GHS07 Warning	Skin Irrit. 2 Skin Sens. 1	H315 H317
p-tert-Butyl phenyl glycidyl ether**	3101-60-8	221-453-2	-	5 – 10	GHS07 Warning	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1	H319 H315 H317

*: Substance having occupational exposure limit value.

**: Classification specified by the manufacturer, the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

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

Specific concentration limit values:

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700)

(CAS: 25068-38-6):

Eye Irrit. 2; H319: C \geq 5 %

Skin Irrit. 2; H315: C \geq 5 %

For the full text of H phrases: see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

IN CASE OF INGESTION:

Measures:

- If swallowed obtain immediate medical attention.
- Keep victim at rest.
- Do NOT induce vomiting.

IN CASE OF INHALATION:

Measures:

- 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.

IN CASE OF SKIN CONTACT:

Measures:

- Remove contaminated clothing.
- Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- If skin irritation or rash occurs: Get medical advice/ attention.

IN CASE OF EYE CONTACT:

Measures:

- Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

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

May damage the unborn child. Suspected of damaging fertility.

Eyes: Causes serious eye irritation.

Skin: May cause an allergic skin reaction. Causes skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed:

No special treatment needed; treat symptomatically. See section 2 for further details.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

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

5.1.2. Unsuitable extinguishing media:

No data available.

5.2. Special hazards arising from the substance or mixture:

During a fire, irritating and highly toxic gases, toxic fumes may be generated by thermal decomposition or combustion.

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

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

5.3. Advise for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Use water spray to keep fire-exposed containers cool.

Isolate from heat, electrical equipment, sparks and open flames.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:

Wear appropriate personal protective equipment (see section 8).

Use good personal hygiene practices.

Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

6.2. Environmental precautions:

Dispose the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Collect the spilled product with an absorbent, then place into a suitable waste container for removal/disposal.

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Obtain special instructions before use.

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

Wash thoroughly after handling.

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

Take off contaminated clothing. Wash contaminated clothing before reuse.

Handle containers carefully to prevent damage and spillage.

Follow all precautions in the safety data sheet or on the label, even after container is emptied because it may retain product residues.

See section 2 for further details.

Technical measures:

No special measures required.

Precautions against fire and explosion:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible materials.

STORAGE TEMPERATURE: 15.5 – 32 °C.

Store locked up.

Incompatible materials: see section 10.5.

Packaging material: no special prescriptions.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (S.I. No. 619 of 2001):

Dibutyl phthalate (DBP) (CAS: 84-74-2):

8 hours: 5 mg/m³

15 minutes: 10 mg/m³

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
no data available	no data available	Dermal	Short term (acute) Long term (repeated)	no data available

no data available	no data available	Inhalative	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Oral	Short term (acute) Long term (repeated)	no data available

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.

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 vapour below occupational exposure limits suitable respiratory protection must be worn.

An eye wash station is suggested as a good workplace practice.

8.2.2. Individual protection measures, such as personal protective equipment:

Use good personal hygiene practices.

Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

1. Eye/face protection: wear safety glasses with side shields to protect the eyes (EN 166).

2. Skin protection:

a. Hand protection: wear PVC or rubber gloves to keep skin contact to a minimum (EN 374). Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

b. Other: no special prescriptions.

3. Respiratory protection: in case of adequate ventilation not necessary. If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

4. Thermal hazards: none known.

8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter		Test method:	Remarks:
1. Appearance:	green, low viscosity liquid		
2. Odour:	slight odour		
3. Odour threshold:	no data available*		
4. pH:	no data available*		
5. Melting point/freezing point:	not applicable		
6. Initial boiling point and boiling range:	no data available*		
7. Flash point:	264 – 268 °C	estimated	
8. Evaporation rate:	no data available*		
9. Flammability (solid, gas):	not applicable		
10. Upper/lower flammability or explosive limits:	0.5 – 2.5 %	235 °C	
11. Vapour pressure:	20.25 Pa		

12. Vapour density:	20.25	
13. Relative density:	1 – 1.2	24 °C
14. Solubility(ies):	no data available*	
15. Partition coefficient: n-octanol/water:	no data available*	
16. Auto-ignition temperature:	no data available*	
17. Decomposition temperature:	not applicable	
18. Viscosity:	not applicable	
19. Explosive properties:	no data available*	
20. Oxidizing properties:	no data available*	

9.2. Other information:

VOC content: 135.000

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet.

SECTION 10: STABILITY AND REACTIVITY10.1. Reactivity:

Polymerization will not occur by itself. Masses of more than 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:

See Section 10.5.

10.4. Conditions to avoid:

Excessive heat.

10.5. Incompatible materials:

Strong oxidizing agents, strong acids, strong bases.

10.6. Hazardous decomposition products:

During a fire: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

SECTION 11: TOXICOLOGICAL INFORMATION11.1. Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: May damage the unborn child. Suspected of damaging fertility.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties of the hazardous substances:

Acute toxicity:

Based on the properties of the epoxy constituents and considering toxicological data on similar products this product 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 vapour should be avoided.

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.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

(CAS: 25068-38-6):

LD50 (oral, rat): > 5000 mg/kg

LD50 (dermal, rabbit): 20000 mg/kg

Dibutyl phthalate (DBP) (CAS: 84-74-2):

LD50 (oral, rat): 8000 mg/kg

LD50 (dermal, rabbit): 20860 mg/kg

Carcinogenicity:**Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)**

(CAS: 25068-38-6):

OSHA: not listed.

NTP: not listed.

IARC: not listed.

Dibutyl phthalate (DBP) (CAS: 84-74-2):

OSHA: not listed.

NTP: not listed.

IARC: not listed.

Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives (CAS: 68609-97-2):

OSHA: not listed.

NTP: not listed.

IARC: not listed.

p-tert-Butyl phenyl glycidyl ether (CAS: 3101-60-8):

OSHA: not listed.

NTP: not listed.

IARC: not listed.

11.1.3. Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

Eyes: Causes serious eye irritation.

Skin: May cause an allergic skin reaction. Causes skin irritation.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May damage the unborn child. Suspected of damaging fertility.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.1.8. Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxic to aquatic life with long lasting effects.

Aquatic ecotoxicity:

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

(CAS: 25068-38-6):

LC50, fish (Pimephales promelas): 3.10 mg/l/96h

EC50, crustacean (Daphnia magna): 1.40 mg/l/48h

Dibutyl phthalate (DBP) (CAS: 84-74-2):

LC50, fish (Lepomis macrochirus): 0.48 mg/l/96h

EC50, crustacean (Daphnia magna): 2.99 mg/l/48h

ErC50, algae (Scenedesmus subspicatus): 0.21 mg/l/96h

12.2. Persistence and degradability:

No data available.

12.3. Bioaccumulation 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:

The product contains no PBT/vPvB substances.

12.6. Other adverse effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

- 13.1.1. Information regarding the disposal of the product:
Observe all national, regional and local regulations.
For this product no waste disposal key according to the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The European waste code number has to be determined after a discussion with a specialist dealing with waste disposal.
- 13.1.2. Information regarding the disposal of the packaging:
No special recommendation from the manufacturer.
Dispose according to the relevant regulations.
- 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:
None known.
- 13.1.4. Sewage disposal:
None known.
- 13.1.5. Special precautions for any recommended waste treatment:
No data available.

SECTION 14: TRANSPORT INFORMATION

- 14.1. UN Number:
ADR/RID; IMDG; IATA:
UN 3082
- 14.2. UN proper shipping name:
ADR/RID:
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN, DIBUTYL PHTHALATE)
IMDG; IATA:
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN, DIBUTYL PHTHALATE)
- 14.3. Transport hazard class(es):
ADR/RID; IMDG; IATA:
Class: 9
- 14.4. Packaging group:
ADR/RID; IMDG; IATA:
III
- 14.5. Environmental hazards:
IMDG:
Marine Pollutant: no.
- 14.6. Special precautions for user:
No relevant information available.
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable.

SECTION 15: REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The mixture contains a component, which is listed in Annex XVII of the Regulation 1907/2006/EC of the European Parliament and of the Council, therefore it is subject to restrictions:

Classified as toxic to reproduction (item 30)
Dibutyl phthalate (DBP) (CAS: 84-74-2) (51. b item)

The mixture contains a component, which is listed in Annex XIV of the Regulation 1907/2006/EC of the European Parliament and of the Council (substances subject to authorisation):

Dibutyl phthalate (DBP) (CAS: 84-74-2)

SVHC (Substances of Very High Concern) substances:
 Dibutyl phthalate (DBP) (CAS: 84-74-2)

15.2. Chemical safety assessment: no information available.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: none.

Full text of the abbreviations in the safety data sheet:

DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenicity, mutagenicity and toxicity for reproduction. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent, Very Bioaccumulative. n.d.: not defined. n.a.: not applicable. ADR: European agreement concerning the carriage of dangerous goods by road. RID: Regulation concerning the international transport of dangerous goods by train. IMDG: International maritime code for dangerous goods. IATA DGR: International air transport association dangerous goods regulation. ATE: Acute Toxicity Estimate.

Data sources:

safety data sheet (19/12/2017) issued by the manufacturer.

Methods used for the classification according to Regulation 1272/2008/EC:

Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Sensitisation - Skin, hazard category 1 – H317	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 2 – H319	Based on calculation method
Reproductive toxicity, Hazard Category 1B – H360Df	Based on calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411	Based on calculation method

Relevant H-Phrases (number and full text) of Section 2 and 3:

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.

Training advice: no data available.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by: ToxInfo Kft.

Professional help regarding the explanation of the safety data sheet:
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Version: 2



<http://www.msds->