

## 1. Identification

### 1.1. Product identifier

**Product Identity** Reaction Recharge 56-B60915-008 and 56-B60915-032

**Alternate Names** Reaction Recharge

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

**Intended use** Bowling ball cleaner.

**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

**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

Eye Dam. 1;H318 Causes serious eye damage.

### 2.2. Label elements



**Danger**

H318 Causes serious eye damage.

#### [Prevention]:

P280 Wear protective gloves, eye protection, face protection.

#### [Response]:

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

P310 Immediately call a POISON CENTER, doctor or physician.

#### [Storage]:

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 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  |
|---|----------|-------------------------|--------|
| dimethyl sulfoxide<br>CAS Number: 0000067-68-5              | 25 - 50  | Combustible Liquid;H227 | [1]    |
| Dipropylene glycol methyl ether<br>CAS Number: 0034590-94-8 | 10 - 25  | Not Classified          | [1][2] |
| Alcohol Ethoxylate<br>CAS Number: Proprietary               | 5 - 10   | Eye Dam. 1;H318         | [1]    |
| Triethanolamine<br>CAS Number: 0000102-71-6                 | 1 - 5    | Not Classified          | [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 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

|                   |  |
|-------------------|--|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.   |
| <b>Inhalation</b> | 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. |
| <b>Eyes</b>       | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.   |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.  |
| <b>Ingestion</b>  | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. If the person is conscious, have them drink water. Contact a physician immediately. Do not induce vomiting.                                   |

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

|                 |  |
|-----------------|--|
| <b>Overview</b> | Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details. |
| <b>Eyes</b>     | Causes serious eye damage.   |

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam, Water Fog

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon, nitrogen, sulfur.

### 5.3. Advice for fire-fighters

In the event of fire, wear full protective clothing and NIOSH Approved Self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

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## 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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing agents, reducing agents, strong acids.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

**8.1. Control parameters**

|                |                                 | <b>Exposure</b> |   |
|----------------|---------------------------------|-----------------|---|
| <b>CAS No.</b> | <b>Ingredient</b>               | <b>Source</b>   | <b>Value</b>  |
| 0000067-68-5   | dimethyl sulfoxide              | OSHA            | No Established Limit                                  |
|                |                                 | ACGIH           | No Established Limit                                  |
|                |                                 | NIOSH           | No Established Limit                                  |
| 0000102-71-6   | Triethanolamine                 | OSHA            | No Established Limit                                  |
|                |                                 | ACGIH           | TWA: 5 mg/m3  |
|                |                                 | NIOSH           | No Established Limit                                  |
| 0034590-94-8   | Dipropylene glycol methyl ether | OSHA            | TWA(US) 100 ppm (600 mg/m3) [skin]                    |
|                |                                 | ACGIH           | TWA: 100 ppm STEL: 150 ppm                            |
|                |                                 | NIOSH           | TWA 100 ppm (600 mg/m3) ST 150 ppm (900 mg/m3) [skin] |
| Proprietary    | Alcohol Ethoxylate              | OSHA            | No Established Limit                                  |
|                |                                 | ACGIH           | No Established Limit                                  |
|                |                                 | NIOSH           | No Established Limit                                  |

**8.2. Exposure controls**

- Respiratory** Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
- Eyes** Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
- Skin** Chemical resistant clothing such as coveralls/apron and boots should be worn. Chemical impervious gloves required.
- 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.

Check section 2.2 (GHS Label Elements) for further details.

**Section 9. Physical and chemical properties**

|                       |                            |
|-----------------------|----------------------------|
| <b>Appearance</b>     | Clear Viscous Green Liquid |
| <b>Odor</b>           | Mild, fruity               |
| <b>Odor threshold</b> | Not determined             |
| <b>pH</b>             | ~ 8 to 10                  |

|  |  |
|--|--|
| <b>Melting point / freezing point</b>                  | Not Measured   |
| <b>Initial boiling point and boiling range</b>         | Not Measured   |
| <b>Flash Point</b>                                     | None to boiling  |
| <b>Evaporation rate (Ether = 1)</b>                    | Not Measured   |
| <b>Flammability (solid, gas)</b>                       | Not Applicable   |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured |
| <b>Vapor pressure (Pa)</b>                             | Not Measured   |
| <b>Vapor Density</b>                                   | Not Measured   |
| <b>Relative Density</b>                                | ~ 1 to 1.03  |
| <b>Solubility in Water</b>                             | Soluble  |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured   |
| <b>Auto-ignition temperature</b>                       | Not Measured   |
| <b>Decomposition temperature</b>                       | Not Measured   |
| <b>Viscosity (cSt)</b>                                 | ~ 2000 to 5000 CPS ( centipoise)   |
| <b>VOC Content</b>                                     | ~ 0.2 to 0.3 # / gallon  |
| <b>Percent Volatile</b>                                | 85 - 90  |

**9.2. Other information**

No other relevant information.

## Section 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Incompatible products. Heat. flames and sparks. Exposure to air or moisture over prolonged periods.

**10.5. Incompatible materials**

Oxidizing agents, reducing agents, strong acids.

**10.6. Hazardous decomposition products**

Oxides of carbon, nitrogen, sulfur.

## Section 11. Toxicological information

**Acute toxicity**

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).

| 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      |
|--|--------------------------------|----------------------------------|---------------------------------|-------------------------------------|-------------------------------|
| dimethyl sulfoxide - (67-68-5)                 | 28,300.00, Rat - Category: NA  | 40,000.00, Rat - Category: NA    | No data available               | No data available                   | 40,250.00, Rat - Category: NA |
| Dipropylene glycol methyl ether - (34590-94-8) | > 5,000.00, Rat - Category: NA | 19,020.00, Rabbit - Category: NA | No data available               | No data available                   | No data available             |
| Alcohol Ethoxylate - (Proprietary)             | 5,051.00, Rat - Category: NA   | >2,000.00, Rabbit - Category: 5  | No data available               | No data available                   | No data available             |
| Triethanolamine - (102-71-6)                   | 6,400.00, Rat - Category: NA   | >2,000.00, Rabbit - Category: 5  | No data available               | No data available                   | No data available             |

### Carcinogen Data

| CAS No.      | Ingredient                      | Source | Value   |
|--------------|---------------------------------|--------|---|
| 0000067-68-5 | dimethyl sulfoxide              | 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;  |
|              |                                 | ACGIH  | No Established Limit  |
| 0000102-71-6 | Triethanolamine                 | OSHA   | Regulated Carcinogen: No  |
|              |                                 | NTP    | Known: No; Suspected: No  |
|              |                                 | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
|              |                                 | ACGIH  | No Established Limit  |
| 0034590-94-8 | Dipropylene glycol methyl 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;  |
|              |                                 | ACGIH  | No Established Limit  |
| Proprietary  | Alcohol Ethoxylate              | 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;  |
|              |                                 | ACGIH  | No Established Limit  |

| Classification                | Category | Hazard Description         |
|-------------------------------|----------|----------------------------|
| Acute toxicity (oral)         | ---      | Not Applicable             |
| Acute toxicity (dermal)       | ---      | Not Applicable             |
| Acute toxicity (inhalation)   | ---      | Not Applicable             |
| Skin corrosion/irritation     | ---      | Not Applicable             |
| Serious eye damage/irritation | 1        | Causes serious eye damage. |
| Respiratory sensitization     | ---      | Not Applicable             |
| Skin sensitization            | ---      | Not Applicable             |

|                        |     |                |
|------------------------|-----|----------------|
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity        | --- | Not Applicable |
| Reproductive toxicity  | --- | Not Applicable |
| STOT-single exposure   | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard      | --- | Not Applicable |

## Section 12. Ecological information

### 12.1. Toxicity

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                                  |
|--|--------------------------------|----------------------------|--|
| dimethyl sulfoxide - (67-68-5)                 | 34,000.00, Pimephales promelas | 24,600.00, Daphnia magna   | 17,000.00 (72 hr), Pseudokirchneriella subcapitata |
| Dipropylene glycol methyl ether - (34590-94-8) | 10,000.00, Pimephales promelas | 1,919.00, Daphnia magna    | 969.00 (72 hr), Algae                              |
| Alcohol Ethoxylate - (Proprietary)             | 5.00, Oncorhynchus mykiss      | 2.50, Daphnia magna        | 1.40 (72 hr), Pseudokirchneriella subcapitata      |
| Triethanolamine - (102-71-6)                   | 11,800.00, Pimephales promelas | 609.88, Ceriodaphnia dubia | 512.00 (72 hr), Desmodesmus subspicatus            |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 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.

## Section 14. Transport information

|   | <b>DOT (Domestic Surface Transportation)</b>                               | <b>IMO / IMDG (Ocean Transportation)</b>                        | <b>ICAO/IATA</b>                 |
|---|--|---|----------------------------------|
| <b>14.1. UN number</b>                    | NA1993   | Not regulated   | Not regulated                    |
| <b>14.2. UN proper shipping name</b>      | Combustible liquid, n.o.s., (Isopropanol, Ethylene Glycol Monobutyl Ether) | Not regulated   | Not regulated                    |
| <b>14.3. Transport hazard class(es)</b>   | <b>DOT Hazard Class:</b> Combustible liquid                                | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> Not Applicable |
| <b>14.4. Packing group</b>                | III  | III   | III                              |
| <b>14.5. Environmental hazards</b>        |  |   |                                  |
| <b>IMDG</b>                               | Marine Pollutant: No;  |   |                                  |
| <b>14.6. Special precautions for user</b> | Not Applicable   |   |                                  |

## Section 15. Regulatory information

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

Dipropylene glycol methyl ether

**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%):**

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

**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%):**

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

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



|                                      |
|--------------------------------------|
| <b>Section 16. Other information</b> |
|--------------------------------------|

**SDS Revision Date**      07/18/2019

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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

H227 Combustible liquid.

H318 Causes serious eye damage.

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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