

**1. Identification of the substance/preparation and of the company/undertaking**

**Product Name:** Revive Bowling Ball Cleaner  
**Other Means of ID:** None  
**Part Number:** 156-8762; 156-8768; 156-8768C  
**Recommended Use:** Bowling Ball Cleaner  
**Restrictions on Use:** None  
**Manufacturer:** Kegel LLC  
 1951 Longleaf Blvd  
 Lake Wales, FL 33859, USA  
**Emergency Phone:** (863) 734-0200  
 (800) 280-2695

**2. Hazards identification**

**Classification:** This product is considered hazardous according to 29 CFR 1910.1200



**Pictogram(s)/Symbol(s):** GHS02, GHS07  
**Signal Word:** Warning  
 Eye Irritant Category 2  
 Skin Irritant Category 2  
 Flammable Liquid Category 3

**Hazard statements**

H226: Flammable liquid and vapor.  
 H319: Causes serious eye irritation.  
 H315: Causes skin irritation.  
 H302: Harmful if swallowed.  
 H313: May be harmful in contact with skin.

**Precautionary Statements**

**Prevention:** P210: Keep away from flames, sparks and hot surfaces. No smoking.  
 P233: Keep container tightly closed.  
 P242: Use non-sparking tools.  
 P243: Take precautionary measures against static discharge.  
 P264: Wash hands thoroughly after handling.  
 P270: Do not eat, drink, or smoke when using this product.  
 P280: Wear protective gloves and splash resistant eye protection (goggles).  
**Response:** P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if easy to do, and continue rinsing.  
 P301+P312: If swallowed, call a poison center or doctor/physician if you feel unwell.  
 P330: Rinse mouth.  
 P337+P313: If eye irritation persists, get medical attention.  
 P302+P352: If on skin, wash with plenty of soap and water.  
 P321: No specific treatment is anticipated.  
 P332+P313: If skin irritation occurs, get medical attention.  
 P362: Take off contaminated clothing and wash before reuse.  
 P370+P378: In case of fire, use an ABC fire extinguisher or equivalent for chemical fires.  
**Storage:** P403+P235: Store in a well-ventilated place. Keep cool.  
**Disposal:** P501: Dispose of contents and container as required by all local, state, federal and international laws or regulations.

**Hazards not otherwise classified:** None

**Unknown toxicity:** Less than 1% of the mixture consists of ingredient(s) of unknown toxicity.

**3. Composition/information on ingredients**

**Substance/preparation (mixture):preparation (mixture)**

Chemical name*	CAS Number	Concentration (%)	EC Number	Classification*
Water	7732-18-5	82-87 <sup>+</sup>	231-791-2	---
2-butoxyethanol	111-76-2	4-6 <sup>+</sup>	203-905-0	Xn; R20/21/22; Xi; R36/38
Isopropanol	67-63-0	2-4 <sup>+</sup>	200-661-7	F; R11; Xi; R36; R67
Surfactant blend <sup>+</sup>	Proprietary	1-3 <sup>+</sup>	---	---

<sup>+</sup>Exact percentages (concentrations) and/or specific chemical identity have been withheld as trade secret.

\*Occupational Exposure Limit(s), if available, are listed in section 8. See section 16 for the full text of the R phrases declared above.

**4. First Aid Measures**

**Skin Contact:** No emergency care anticipated. Wash skin with soap and water. Remove any contaminated clothing and wash clothing before reuse. If irritation persists, seek medical attention.

**Eye Contact:** No emergency care anticipated. Flush eyes thoroughly with water while holding eyes open for at least 15 minutes. If wearing contact lenses, remove lenses and flush eyes for several minutes. If discomfort persists, seek medical attention.

**Ingestion:** Do not induce vomiting unless directed to do so by medical professional. Treat symptomatically. It is not expected that this product will be toxic by ingestion. Seek medical attention as necessary. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove from further exposure. Obtain medical attention. Qualified personnel may give oxygen if breathing is difficult or cyanosis (blue discoloration of the skin) is noted. Give artificial respiration if subject is not breathing. Remove to fresh air if aerosol spray is inhaled.

#### **Most Important Symptoms/Effects (acute and delayed)**

**Skin Absorption:** Harmful effects are not expected from short periods of contact. Prolonged or repeated contact may lead to skin irritation by dermatitis including swelling, redness, drying, itching and cracking.

**Eye Contact:** Harmful effects are not expected from short periods of contact. Eye irritation including redness and tearing may occur. Corneal inflammation may also occur.

**Ingestion:** Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Ingestion may cause gastrointestinal irritation, nausea and diarrhea. Product ingested in large quantities in concentrated form may cause toxic effects.

**Inhalation:** This product is not likely to cause an inhalation hazard at normal temperatures and pressures. Inhalation of mist or spray may be harmful and may cause irritation of the nose, throat and upper respiratory tract. Other pulmonary effects may be caused by prolonged or repeated inhalation of mist.

#### **Indication of Immediate Medical Attention and Special Treatment Needed**

Physician should treat symptomatically. Show physician this safety data sheet.

---

### **5. Fire Fighting Measures**

---

**Flash Point:** 50°C (122°F)

**Method:** TCC

**Fire Point:** >100°C (>212°F)

**Method:** COC

#### **Extinguishing Media**

**Suitable:** Use CO<sub>2</sub>, dry powder, universal-type foam, and water fog

**Unsuitable:**

**Specific Hazards Arising from Chemical:** Material may splatter if temperature exceeds boiling point. Polymer film can burn.

**Hazardous Combustion Products:** Burning can produce soot, carbon dioxide, carbon monoxide and other oxides.

**Special Fire Fighting Procedures:** Use water spray to cool fire-exposed containers and structures.

**Special Protective Equipment for Firefighters:** Wear full protective gear and a self-contained breathing apparatus with full face-piece; MSHA/NIOSH approved or equivalent; operated in positive pressure mode.

---

### **6. Accidental Release Measures**

---

**Personal Precautions:** Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources.

**Environmental Precautions:** This product is soluble in water and can be diluted with large amounts of water. Prevent from entering sewers or drains in the concentrated form as a precaution. Diluted material may be washed away with large amounts of water.

**Methods for Containment and Clean-up:** Floor may be slippery. Use care to avoid falling. Cover drains and use spill dams to prevent material from spreading. Absorb large spills on an inert material such as sand, earth, or vermiculite. Universal sorbent pads or may also be used. Spill clean-up materials should be collected in appropriately labeled containers for disposal. Dispose of material as required by all local, state, federal and international regulations and laws. Small spills can be mopped away with water.

Note: see section 8 for personal protective equipment and section 13 for disposal considerations.

---

### **7. Handling and Storage**

---

**Safe Handling Precautions:** Keep containers tightly closed to prevent contamination. Wear suitable personal protective equipment including gloves and splash resistant eye protection. Wash hands after use.

**Safe Storage Requirements:** Normal precautions should be followed in handling and storage. Store product in a cool, dry place. Keep away from heat and flame. Keep container tightly closed. Freezing of product may rupture container. Product shelf life is best retained by storage between 10°C and 37°C (50°F - 98°F).

---

### **8. Exposure Controls/Personal Protection**

---

**Engineering Measures:** Mechanical ventilation is suggested but not normally necessary under normal usage of product.

**Hygiene Measures:** Wash hands thoroughly after handling and before eating, smoking, using lavatory, and at the end of the day. Remove contaminated clothing and clean it before re-use. Do not take internally. Keep away from foodstuffs and beverages.

**Respiratory Protection:** No special respiratory protection is required with normal usage of product. If vapor and/or mist are generated by heating, spraying, etc., wear an organic vapor respirator.

**Hand and Skin Protection:** Wear chemical resistant gloves and protective clothing, such as long sleeves, to minimize skin contact.

**Eye Protection:** Appropriate eye protection should always be worn when handling chemicals. Splash resistant eyewear is recommended when splashing is a concern.

**Exposure Limits**

Component	Type	Value	Remark
2-butoxyethanol	TWA, OSHA PEL	240 mg/m <sup>3</sup>	
Isopropanol	TWA, OSHA PEL	980 mg/m <sup>3</sup>	

**9. Physical and Chemical Properties**

**Appearance:** Water clear and colorless liquid

**Odor:** Mild, solvent-like odor

**Odor threshold:** Not determined

**Specific Gravity (H<sub>2</sub>O=1):** 1.034 @ 22.5°C

**Density (lbs/gal):** 8.62 @ 22.5°C

**pH:** 8.4

**Melting/freezing point:** Not determined

**Initial boiling point/boiling range:** Not determined

**Solubility in H<sub>2</sub>O:** soluble

**Evaporation rate:** Not determined

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Partition coefficient (N-octanol/water):** Not determined

**Viscosity:** Not determined

**Flash Point:** 50°C (122°F)

**Method:** TCC

**Fire Point:** >100°C (>212°F)

**Method:** COC

**Flammability (solid, gas):** Not determined

**Explosive limits:** Not determined

**Auto Ignition temp.:** Not determined

**Decomposition temp.:** Not determined

**10. Stability and Reactivity**

**Stability:** Stable

**Reactivity:** Non-reactive when used according to specifications

**Possibility of Hazardous Reaction:** None under normal processing

**Conditions to avoid:** Avoid high heat, flames and sparks as a precaution.

**Incompatible Materials:** Product is normally unreactive.

**Hazardous Decomposition Products:** Burning can produce soot, carbon dioxide, carbon monoxide and other oxides.

**Hazardous Polymerization:** Will not occur

**11. Toxicological Information**

This product has not undergone animal lab testing to determine toxicity. Specific test data for the preparation/mixture is not available. Toxicological data and local effects based on primary ingredient(s)/component(s):

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-butoxyethanol (111-76-2)	>1.2 g/kg (Guinea pig)	>2000 mg/kg (Guinea pig)	>663 ppm; 1hr (Guinea pig)
Isopropanol (67-63-0)	>5840 mg/kg (rat)	>12800 mg/kg (rabbit)	>10000 ppm; 6 hr (rat)

**Information on Likely Routes of Exposure and Toxicological Effects**

**Skin irritation:** Prolonged or repeated contact may lead to skin irritation by dermatitis.

**Inhalation:** Inhalation of mist or spray may be irritating.

**Eye irritation:** Product may be irritating to the eyes causing swelling, tearing and redness.

**Ingestion:** Ingestion of product may cause nausea, vomiting and diarrhea.

**Numerical measures of toxicity:** The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral):** 1928 mg/kg

**ATEmix (dermal):** 3043 mg/kg

**12. Ecological Information**

There is no ecotoxicity data available for this product. This product is not expected to be readily inherently biodegradable based on information available for chemical components. This product, especially in its concentrated form, should be kept out of sewage and drainage systems and all bodies of water as a precaution as the toxicity of this material to aquatic organisms has not been evaluated.

**13. Disposal Considerations**

**Methods of Disposal:** Dispose of all waste in accordance with appropriate international, federal, state and local environmental control regulations.

**Recommendations:** Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. The material may be collected at a licensed and approved chemical collection and disposal facility. Empty containers should be taken to an approved waste facility for recycling or disposal.

**14. Transport Information**

**UN Number:** None

**Proper shipping name/Technical name:** Not regulated

**DOT/ADR/RID (Road/Rail Transport):** This product is not classified as flammable for shipping by DOT/ADR/RID (49 CFR 173.120(a)(4)).

**IMDG/IMO Classification (Sea Transport):** This product is not classified as flammable for shipping by IMDG/IMO (IMDG 2.3.1.3.2).

**ICAO/IATA Classification (Air Transport):** This product is not classified as flammable for shipping by ICAO/IATA (IATA DGR 3.3.1.3(b)).

**15. Regulatory Information**

**US Regulations:** This preparation is classified as a hazardous chemical; a flammable liquid, category 3, an irritant; as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**State Regulations - California:** WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: ethylene oxide.

**EU Regulations:** The preparation is classified as dangerous; a flammable liquid an irritant preparation; according to Directive 1999/45/EC and its amendments.

**Safety Phrase(s):** S2: Keep out of the reach of children.

S24/25: Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37: Wear suitable gloves.

S39: Wear eye/face protection

**16. Other Information**

Full text of R-phrases, if any, with number appearing in section 3:

Xn: Harmful

Xi: Irritant

F: Flammable

R11: Highly flammable

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R36/38: Irritating to eyes and skin.

R67: Vapors may cause drowsiness and dizziness.

**HMIS III Rating**

Health: 1

Flammability: 2

Physical Hazard: 1

PPE: B

**NFPA Rating**

Health: 1

Flammability: 2

Instability: 0

Special Hazards: None

**Hazard Rating Legend**

0: Minimal Hazard

1: Slight Hazard

2: Moderate Hazard Special

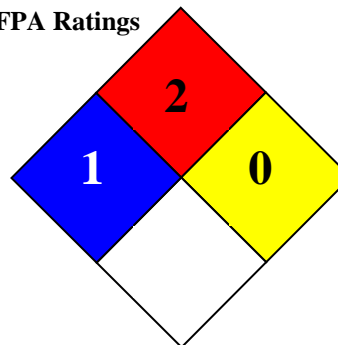
3: Serious Hazard

4: Severe Hazard

**HMIS III Ratings**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>PROTECTIVE EQUIPMENT</b>	<b>B</b>

**NFPA Ratings**



**SDS:** Revive Bowling Ball Cleaner

**Product ID:** #156-8762; 156-8768; 156-8768C

**SDS Revision Level:** 3.0

**SDS Revision Date:** 13 May 2015

**Revision Reason(s):** Updated language for GHS compliance

**Notice to Reader:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.