



Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier: Revive Bowling Ball Cleaner**Part Number:** 156-8762, 156-8768, 156-8768C**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses:** Bowling ball cleaner**Uses advised against:** Uses other than those stated**1.3 Details of the supplier of the safety data sheet:****Supplier:** European Bowling Distribution (EBD)**Address:** Brieltjenspolder 42

4921 PJ Made

The Netherlands

Telephone: +31 162 671 084**Email:** info@eurbowdis.eu**Manufacturer:** Kegel LLC**Address:** 1951 Longleaf Blvd

Lake Wales, FL 33859, USA

Email of the competent person responsible for the Safety Data SheetSDS@kegel.net**1.4 Emergency Phone:** +1 (863) 734-0200 (available from 8 AM – 5 PM EST)

+1 (800) 280-2695 (24 hour; call forwarding service available during non-business hours)

Section 2: Hazards identification

2.1 Classification of the substance or mixture: This mixture is considered hazardous according to (EC) No. 1272/2008 (CLP).**Physical Hazards:** Flammable Liquid Category 3**Health Hazards:** Eye Irritation Category 2**Environmental Hazards:** Not Classified**2.2 Label elements****Pictogram(s)/Symbol(s):** GHS02/Flame; GHS07/Exclamation Point**Signal Word:** Warning**Hazard statements**

H226: Flammable liquid and vapor

H319: Causes serious eye irritation

Precautionary Statements**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P264: Wash hand thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378: In case of fire: Use an ABC rated or chemical rated extinguisher to extinguish.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

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.

2.3 Other hazards: This product does not contain any PBT or vPvB greater than 0,1%.

Section 3: Composition/information on ingredients

3.1 Substances: Not applicable

3.2 Mixture:

Chemical name*	CAS Number	EC Number	Registration Number	Concentration (weight %)	Classification*
Water	7732-18-5	231-791-2	---	88	Not Classified
2-butoxyethanol	111-76-2	203-905-0	---	6	Acute Oral Toxicity Category 4/H302 Acute Dermal Toxicity Category 4/H312 Skin Irritation Category 2/H315 Eye Irritation Category 2/H319 Acute Inhalation Toxicity Category 4/H332
Isopropanol	67-63-0	200-661-7	---	4	Flammable Liquid Category 2/H225 Eye Irritation Category 2/H319 Specific Target Organ Toxicity – Single Exposure Category 3/H336
Alcohol ethoxylate	Mixture	---	---	1	Acute Oral Toxicity Category 4/H302 Eye Damage Category 1/H318

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

Section 4: First aid measures

4.1 Description of first aid measures

Skin Contact: Wash skin with soap and water. Remove any contaminated clothing and wash clothing before reuse. If irritation persists, seek medical attention.

Eye Contact: 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. Seek medical attention as necessary. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. 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.

4.2 Most important symptoms and effects, both 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 respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of mist at airborne levels above the recommended exposure limit. Aspiration may cause pulmonary edema or aspiration pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice/attention. Show physician this safety data sheet.

Section 5: Firefighting measures

5.1 Extinguishing Media

Suitable: Use CO₂, dry powder, universal-type foam, and water fog

Unsuitable:

5.2 Special hazards arising from the substance/mixture: Pressure increases may cause container to burst and material may spatter.

5.3 Advice for firefighters

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

Special Protective Equipment for Firefighters: Wear full protective gear and an approved self-contained breathing apparatus with full face-piece operated in positive pressure mode.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources. Evacuate untrained personnel.

6.2 Environmental precautions: Prevent from entering sewers or drains.

6.3 Methods and material for containment and cleaning up: Floor may be slippery. Use care to avoid falling. Cover drains and use spill dams to prevent material from spreading. Absorb spill on an inert material such as sand, earth, or vermiculite. Universal sorbent pads may also be used. Small spills can be mopped away with water. Never return spills to original container for re-use. Spill clean-up materials should be collected in appropriately labeled containers for disposal. Dispose of material as required by all applicable regulations and laws.

6.4 Reference to other sections: See section 8 for personal protective equipment and section 13 for disposal considerations.

Section 7: Handling and storage

7.1 Precautions for safe handling: Keep containers tightly closed to prevent contamination. Wear suitable personal protective equipment including gloves and splash resistant eye protection. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities: Normal precautions should be followed in handling and storage. 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 20°C and 32°C (68°F - 90°F).

7.3 Specific end use(s): Bowling ball cleaner

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits/standards

Substance: 2-butoxyethanol				
CAS No.: 111-76-2				
Country	Limit Value (8 hours)	Limit Value (Short term)	Form	Source
Austria	98 mg/m ³	200 mg/m ³		
Belgium	98 mg/m ³	246 mg/m ³ (15 min. avg.)		
Denmark	98 mg/m ³	196 mg/m ³		
European Union	98 mg/m ³	246 mg/m ³ (15 min. avg.)		IOELV
Finland	98 mg/m ³	250 mg/m ³ (15 min. avg.)		
France	49 mg/m ³	246 mg/m ³ (15 min. avg.)		Restrictive statutory limit values Skin
Germany	49 mg/m ³	196 mg/m ³ (15 min. avg.)		AGS
Germany	49 mg/m ³	98 mg/m ³ (15 min. avg.)		DFG
Hungary	98 mg/m ³	246 mg/m ³		
Ireland	98 mg/m ³	246 mg/m ³ (15 min. reference period)		
Italy	98 mg/m ³	246 mg/m ³		
Latvia	98 mg/m ³	246 mg/m ³ (15 min. avg.)		
Poland	98 mg/m ³	200 mg/m ³		
Romania	98 mg/m ³	246 mg/m ³ (15 min. avg.)		
Spain	98 mg/m ³	245 mg/m ³		
Sweden	50 mg/m ³	246 mg/m ³ (15 min. avg.)		
Switzerland	49 mg/m ³	98 mg/m ³		
The Netherlands	100 mg/m ³	246 mg/m ³		

Turkey	98 mg/m ³	246 mg/m ³ (15 min. avg.)		
United States	240 mg/m ³			OSHA PEL
United Kingdom	123 mg/m ³	246 mg/m ³		

Substance: Isopropanol				
CAS No.: 67-63-0				
Country	Limit Value (8 hours)	Limit Value (Short term)	Form	Source
Austria	500 mg/m ³	1230 mg/m ³		
Belgium	500 mg/m ³	1000 mg/m ³ (15 min. avg.)		
Denmark	490 mg/m ³	980 mg/m ³		
Finland	500 mg/m ³	620 mg/m ³ (15 min. avg.)		
France		980 mg/m ³		
Germany	500 mg/m ³	1000 mg/m ³ (15 min. avg.)		AGS, DFG
Hungary	500 mg/m ³	2000 mg/m ³		
Ireland	200 ppm	400 ppm (15 min. reference period)		
Latvia	350 mg/m ³	600 mg/m ³ (15 min. avg.)		
Poland	900 mg/m ³	1200 mg/m ³		
Romania	200 mg/m ³	500 mg/m ³ (15 min. avg.)		
Spain	500 mg/m ³	1000 mg/m ³		
Sweden	350 mg/m ³	600 mg/m ³ (15 min. avg.)		
Switzerland	500 mg/m ³	1000 mg/m ³		
United States	980 mg/m ³	1225 mg/m ³ (15 min. avg.)		OSHA PEL, NIOSH REL
United Kingdom	999 mg/m ³	1250 mg/m ³		

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Mechanical ventilation is suggested but not normally necessary under normal usage of product.

8.2.2 Individual protection measures, such as personal protective equipment

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

8.2.2.2 Skin protection: Wear chemical resistant gloves and protective clothing, such as long sleeves, to minimize skin contact.

8.2.2.3 Respiratory protection: No special respiratory protection is required with normal usage of product.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Water clear, colorless liquid

Odor: Mild, solvent-like odor

Odor threshold: Not determined

pH: 8,4 @ 20°C

Melting/freezing point: Not determined

Initial boiling point: Not determined

Distillation temperature (90%): Not determined

Flash point: 50°C (122°F) by TCC

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Explosive limits: Not determined

Vapor pressure: Not determined

Vapor density: Not determined

Relative density (H₂O=1): 1,034 @ 20°C

Solubility in H₂O: Soluble

Partition coefficient (n-octanol/water): Not determined

Auto Ignition temp.: Not determined

Decomposition temp.: Not determined

Viscosity (cps): Not determined

Explosive properties: Not determined

Oxidizing properties: Not determined

Fire Point: >100°C (>212°F) by COC

9.2 Other information

Information not available

Section 10: Stability and reactivity

10.1 Reactivity: Non-reactive when used according to specifications

10.2 Chemical stability: Stable under normal ambient conditions

10.3 Possibility of hazardous reactions: None under conditions of normal use.

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

10.5 Incompatible materials Product is normally unreactive.

10.6 Hazardous decomposition products: Burning can produce various oxides and vapors that are potentially dangerous to health.

Section 11: Toxicological information

11.1 Information on toxicological effects: This product has not undergone animal lab testing to determine toxicity. Toxicological data and local effects provided for primary substance(s) in the mixture.

Acute toxicity: Does not meet the criteria for oral, dermal or inhalation classification.

Skin corrosion/irritation: Does not meet the criteria for classification.

Serious eye damage/irritation: Causes serious eye irritation.

Chemical Name (CAS #)	Result	Species	Method
Isopropanol (67-63-0)	Irritating to eye	Rabbit	Draize Test
Alcohol ethoxylate (mixture)	Corrosive to eye		Manufacturer specification

Respiratory or skin sensitization: Does not meet the criteria for classification.

Germ cell mutagenicity: Does not meet the criteria for classification.

Carcinogenicity: Does not meet the criteria for classification.

Reproductive toxicity: Does not meet the criteria for classification.

Specific Target Organ Toxicant Single Exposure (STOT-SE): Does not meet the criteria for classification.

Specific Target Organ Toxicant Repeated Exposure (STOT-RE): Does not meet the criteria for classification.

Aspiration hazard: Does not meet the criteria for classification.

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

ATEmix (oral): 16089 mg/kg

ATEmix (dermal): 23606 mg/kg

ATEmix (inhalation-vapors): 21,6 mg/L

Section 12: Ecological information

12.1 Toxicity: There is no eco-toxicity data available for this mixture.

12.2 Persistence and degradability: Biodegradability has not been determined for the mixture.

Chemical Name (CAS #)	Result	Degradability	Method
2-butoxyethanol (111-76-2)	Readily biodegradable		OECD 301 B
Isopropanol (67-63-0)	Readily biodegradable		EU Method C.5

12.3 Bioaccumulative potential: Data not available for mixture

12.4 Mobility in soil: Data not available for mixture

12.5 Results of PBT and vPvB assessment: Mixture does not contain any PBT or vPvB substances at greater than 0,1%.

12.6 Other adverse effects: Unknown

Section 13: Disposal considerations

13.1 Waste treatment methods: Dispose of all contents/container in accordance with appropriate international, federal, state and local environmental control regulations. 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.

Section 14: Transport information

	ADR/RID (Road/Rail Transport)	IMDG/IMO (Sea Transport)	IATA/ICAO (Air Transport)
14.1 UN number	Not regulated (exception: UN ADR 2.2.3.1.1 Note 1)	Not regulated (exception: IMO IMDG 2.3.1.3.2)	Not regulated (exception: IATA DGR 3.3.1.3(b))
14.2 UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3 Transport hazard class	Not Regulated	Not Regulated	Not Regulated
14.4 Packing group	None	None	None
14.5 Environmental hazards	None	None	None

14.6 Special precautions for user: Always transport in closed containers that are upright and secure to prevent accidental spillage.

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

REACH Regulation (EC) No 1907/2006

This mixture contains only components that have been registered, are exempt from registration, or are regarded as registered according to Regulation (EC) No. 1907/2006 (REACH).

Seveso Directive 2012/18/EC – Listed in regulation: None

15.2 Chemical safety assessment: No chemical safety assessment has been carried out for this mixture.

Section 16: Other information

Full text of H-phrases, if any, appearing in section 3:

H225: Highly flammable liquid and vapor.

H312: Harmful in contact with skin.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness

HMIS III Rating

Health: 1

Flammability: 2

Physical Hazard: 0

Personal Protective Equipment (PPE): B

NFPA Rating

Health: 1

Flammability: 2

Reactivity: 0

Special Hazards: None

Hazard Rating Legend

0: Minimal Hazard

1: Slight Hazard

2: Moderate Hazard

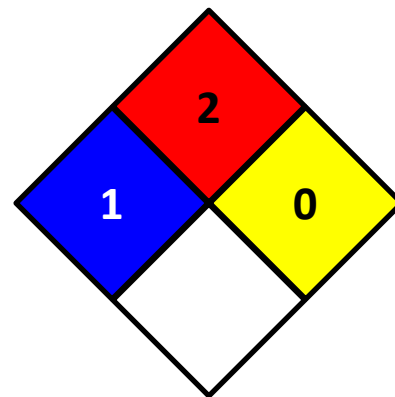
3: Serious Hazard

4: Severe Hazard

HMIS III Ratings

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PPE	B

NFPA Ratings



SDS: Revive Bowling Ball Cleaner

Product ID: 156-8762, 156-8768, 156-8768C

SDS Revision Level: 1.0

SDS Revision Date: 11 October 2019

Revision Reason(s): New SDS

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