



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

**1.1 Product Identifier:** Logic 2.0 Lane Conditioner

**Part Number:** 62-860173-005

**UFI:** EM00-10KA-7003-GRW8

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

**Relevant identified uses:** Bowling lane conditioner

**Uses advised against:** Uses other than those stated, for industrial/professional use only

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

**Supplier:** Brunswick Bowling Hungary, LTD.

**Address:** Amerikai fasor 3  
8000 – Szekesfehervar Hungary

**Email:** brunswick.hu@brunswickbowling.com

**1.4 Emergency Phone:** Poison Information Center: 112

**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:** Not Classified

**Health Hazards:** Acute Toxicity (Inhalation) Category 4

**Environmental Hazards:** Not Classified

**2.2 Label elements**

**Hazard Pictogram(s):** GHS07

**Signal Word:** Warning

**Hazard statements**

H332: Harmful if inhaled.

**Precautionary Statements**

**Prevention:** P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

**Response:** P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor if you feel unwell.

**Storage:**

**Disposal:**



**2.3 Other hazards**

This product does not contain any PBT or vPvB greater than 0.1%.

The product does not contain components considered to have endocrine disrupting properties.

**Section 3: Composition/information on ingredients**

**3.1 Substances: Not applicable**

**3.2 Mixture:**

Chemical name*	CAS Number	EC Number	REACH Registration Number	Concentration (weight %)	Classification*	Specific Concentration Limit, M-factor, ATE
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	---	63	Not classified (Note L) (see composition comments)	---

Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	265-176-5	---	33	Not classified (Note L) (see composition comments)	---
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	---	3	Not classified (Note L) (see composition comments)	---
Other components below reportable levels	---	---	---	1	Not classified	---

Composition comments: The classification as a carcinogen need not apply as it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 (Note L).

\*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 plenty of soap and water. Take off contaminated clothing and wash it 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 person to fresh air and keep comfortable for breathing. Obtain medical attention as needed. Qualified personnel may give oxygen if breathing is difficult. Give artificial respiration if subject is not breathing.

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

**Skin Contact:** Harmful effects are not expected.

**Eye Contact:** Harmful effects are not expected.

**Ingestion:** Small amounts swallowed incidentally during normal handling operations are not likely to cause injury.

**Inhalation:** Harmful if inhaled. Avoid breathing mist or spray as inhalation can cause respiratory irritation or other pulmonary effects.

### 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:** Treat as an oil fire. Use CO<sub>2</sub>, dry powder, universal-type foam, and water fog

**Unsuitable:** Do not use water jet as oil will float on water and can spread any fire.

**5.2 Special hazards arising from the substance/mixture:** Pressure increases may cause container to burst, and material may splatter. Burning can produce various oxides.

### 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.

---

## 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 as a precaution. Evacuate untrained personnel.

**6.2 Environmental precautions:** This product is insoluble in water and will float on the surface. 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 large spills on an inert material such as sand 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 labelled 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. Avoid breathing mist/spray. Use only in a well-ventilated area.

**7.2 Conditions for safe storage, including any incompatibilities:** Normal precautions should be followed in handling and storage. Keep container tightly closed. 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 lane conditioner

---

## Section 8: Exposure controls/personal protection

---

### 8.1 Control parameters

#### Exposure limits/standards

<b>Substance:</b> Oil mist, mineral		
<b>CAS No.:</b>		
Country	Limit Value (8 hours)	Limit Value (Short term)
Ireland	5 mg/m <sup>3</sup> (inhalable fraction)	
United Kingdom	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

### 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, such as safety glasses or safety goggles, should always be worn when handling chemicals.

**8.2.2.2 Skin protection:** Wear chemical resistant gloves, such as nitrile, neoprene, or latex with a minimum breakthrough time of ten minutes 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.

**8.2.3 Environmental Exposure Controls:** No special requirements under normal use conditions. See section 7, handling and storage, and section 13, disposal consideration, for measures to prevent excessive environmental exposure during use and waste disposal.

---

## Section 9: Physical and chemical properties

---

### 9.1 Information on basic physical and chemical properties

**Appearance:** Water clear liquid with light tinge of colour

**Odour:** Mild, fresh odour

**Odour threshold:** Not determined

**pH:** Not determined

**Melting point:** Not determined

**Freezing point:** Not determined

**Initial boiling point:** 301°C (573.8°F)

**Distillation temperature (90%):** 480°C (896°F)

**Flash point:** 121°C (249.8°F) by PMCC

**Fire point:** Not determined

**Evaporation rate:** Not determined

**Flammability (liquid):** Not flammable, see flash point

**Explosion limits:** Not determined

**Vapour pressure:** Not determined

**Vapour density:** Not determined

**Relative density (H<sub>2</sub>O=1):** 0.852 @ 20°C

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

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

**Auto ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Kinematic viscosity (mm<sup>2</sup>/s):** 76.3 @ 20°C (calculated)

**Dynamic viscosity (cps):** 65.0 @ 20°C

**Explosive properties:** Not determined

**Oxidizing properties:** Not determined

## 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:** Avoid contact with strong acids, strong bases, and strong oxidizers.

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

---

## Section 11: Toxicological information

---

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:** 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: Harmful if inhaled.

Chemical Name (CAS #)	Oral LD50 (method)	Dermal LD50 (method)	Inhalation LC50 (method)
Distillates (petroleum), hydrotreated heavy paraffinic (CAS #64742-54-7)	5,000 mg/kg (rat) (OECD 401)	2,000 mg/kg (rabbit) (OECD 402)	5.0 mg/L (rat) (OECD 403)
Paraffin oils (petroleum), catalytic dewaxed light (CAS #64742-71-8)	5,000 mg/kg (rat) (OECD 401)	2,000 mg/kg (rabbit) (OECD 402)	5.0 mg/L (rat) (OECD 403)

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified. IP 346 <0.5% - Polycyclic Aromatic Compounds as measured by IP 346 method.

Reproductive toxicity: Not classified.

Specific Target Organ Toxicant Single Exposure (STOT-SE): Not classified.

Specific Target Organ Toxicant Repeated Exposure (STOT-RE): Not classified.

Aspiration hazard: Not classified.

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

**ATEmix (oral):** 5,129 mg/kg

**ATEmix (dermal):** 2,037 mg/kg

**ATEmix (inhalation-vapours):** 5.0 mg/L

### 11.2 Information on other hazards

Endocrine disrupting properties: The substance/mixture does not contain components considered to have endocrine disrupting properties.

---

## Section 12: Ecological information

---

**12.1 Toxicity:** Not determined for the mixture. This product should be kept out of sewage and drainage systems and all bodies of water as oil will float on water. Toxicological data provided for primary components.

Chemical Name (CAS #)	Vertebrates LC50 (method)	Invertebrates EC50 (method)	Algae EC50 (method)
Distillates (petroleum), hydrotreated heavy paraffinic (CAS #64742-54-7)	5,000 mg/L (OECD 203)	1,000 mg/L (OECD 202)	---
Paraffin oils (petroleum), catalytic dewaxed light (CAS #64742-71-8)	5,000 mg/L (OECD 203)	1,000 mg/L (OECD 202)	---

**12.2 Persistence and degradability:** Not determined for the mixture. Product is not expected to be readily biodegradable.

**12.3 Bioaccumulative potential:** Not determined for the mixture.

**12.4 Mobility in soil:** Not determined for the 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 Endocrine disrupting properties:** Mixture does not contain components considered to have endocrine disrupting properties.

**12.7 Other adverse effects:** Unknown

### Section 13: Disposal considerations

**13.1 Waste treatment methods:** Dispose of contents/container in accordance with appropriate local/state/federal/international environmental control regulations. Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. The material may be collected and recycled at a licensed and approved chemical collection and disposal facility or at an oil recycling 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)
<b>14.1 UN number</b>	Not regulated	Not regulated	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>14.3 Transport hazard class</b>	Not regulated	Not regulated	Not regulated
<b>14.4 Packing group</b>	None	None	None
<b>14.5 Environmental hazards</b>	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 Maritime transport in bulk according to IMO instruments:** 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

##### UK REACH – UK Statutory Instruments 2019 No. 758 as amended

This mixture contains only components that have been registered, are exempt from registration, or are regarded as registered according to UK REACH.

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

### Section 16: Other information

**Indication of changes:** New SDS

#### Full text of abbreviations and Acronyms

EC No – European Community number

PBT – Persistent, Bioaccumulative and Toxic  
 vPvB – very Persistent and very Bioaccumulative  
 CAS No – Chemical Abstracts Service number  
 ATE – Acute Toxicity Estimate  
 DMSO – dimethyl sulphoxide  
 IP – Energy Institute (Institute of Petroleum)  
 LD50 – Lethal dose, 50%  
 LC50 – Lethal concentration, 50%  
 OECD – Organisation for Economic Cooperation and Development  
 EC50 – Half maximal effective concentration  
 ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road  
 RID – Regulations concerning the International Carriage of Dangerous Goods by Rail  
 IMDG – International Maritime Dangerous Goods code  
 IMO – International Maritime Organization  
 IATA – International Air Transport Association  
 ICAO – International Civil Aviation Organization  
 UN – United Nations

**Information source and references**

This SDS is prepared from information supplied by raw material manufacturers, data from testing labs, and other reliable chemical information sources.

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Acute Toxicity (Inhalation) Category 4 (H332)	Calculation method

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

**Advice on training**

Users of this product should read and understand the data contained in this SDS as well as any hazards associated with use and disposal of the product. Consult appropriate expertise as necessary.

**SDS:** Logic 2.0 Lane Conditioner

**Product ID:** 62-860173-005

**SDS Revision Level:** 1.0

**SDS Revision Date:** 8 February 2023

**Revision Reason(s):** New SDS

**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.