

SAFETY DATA SHEET

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

1.1. Product identifier:

Universal Pin Cleaner

Alternate Names:

Product Part Number 63-860354-005

1.2. Relevant identified uses of the mixture and uses advised against:

Bowling pin cleaner 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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the mixture:

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

Skin Irritation 2 - H315

Eye Irritation 2- H319

Warning **H statements:**

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

2.2. Label elements:

GHS07



WARNING

Warning **H statements:**

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

Precautionary **P statements:**

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves/eye protection/face protection.

P321 – Specific treatment (see information on this label).

P362 – Take off contaminated clothing.

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.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

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

2.3. Other hazards:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable.

3.2. Mixture:

Description	CAS number	EC number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
Ethylene glycol monobutyl ether [1] [2]	111-76-2	203-905-0	-	10-25	GHS07 Wng	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Eye Irrit. 2 Skin Irrit. 2	H332 H312 H302 H319 H315
Pentasodium triphosphate* [1]	7758-29-4	231-838-7	-	1,0-10	-	-	-

*: Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General:

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:

- Aspiration hazard. DO NOT INDUCE VOMITING - transport to hospital immediately.
- GET MEDICAL ATTENTION IMMEDIATELY.
- Note to Physician - perform gastric lavage in accordance with procedures for ingestion of petroleum products.
- If the person is conscious, have them drink water.
- Contact a physician immediately.

IN CASE OF INHALATION:

Measures:

- Mineral Spirits and Aromatic Petroleum Distillate - excessive inhalation of vapors can cause irritation of nose or throat, dizziness, weakness fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
- Remove individual to fresh air.
- Avoid further overexposure.
- If symptoms persist, get medical attention immediately.

IN CASE OF SKIN CONTACT:

Measures:

- Petroleum Distillate and Asphalt - prolonged or repeated contact can cause moderate irritation, defatting dermatitis.
- Remove contaminated clothing, thoroughly wash exposed area with hand cleaner followed by soap and water.
- If irritation or redness develops and persists, get medical attention immediately.

IN CASE OF EYE CONTACT:

Measures:

- Petroleum distillate (mineral spirits), petroleum asphalt, fibers and minerals can cause severe irritation, redness, tearing, and blurred vision. Fibers may cause mechanical irritation. Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally.
- Get medical attention immediately.

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

Overview:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Components of product may be absorbed into the body through the skin. Prolonged or repeated exposure may cause respiratory tract irritation. Symptoms may include tightness in the chest, flushing, headache, nausea, vomiting, respiratory depression weakness, irregular heartbeat, abdominal pain, convulsions, and shock. May be harmful if inhaled. Avoid contact with skin and eyes. May cause eye-skin irritation.

Eyes:

Causes serious eye irritation.

Skin:

Causes skin irritation

4.3. Indication of any immediate medical attention and special treatment needed:**Notes to Physician:**

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with frothy sputum and high pulse pressure. Treat symptomatically. See section 2 for further details.

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing media:****5.1.1. Suitable extinguishing media:**

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

5.1.2. Unsuitable extinguishing media:

Do not use; water jet.

5.2. Special hazards arising from the substance or mixture:

Hazardous decomposition: Thermal decomposition can lead to release of irritating gases and vapors. Oxides of Carbon.

5.3. Advise for fire fighters:

Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material. The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. Wear positive pressure, self-contained breathing apparatus, (SCBA) with a full facepiece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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:

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:

Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Keep people away from the upwind of spill/leak. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

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.

Put on appropriate personal protective equipment (see section 8).

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:

Handle containers carefully to prevent damage and spillage.

Keep container closed when not in use.

Store in a dry ventilated area.

Maintain package labeling during storage.

See section 2 for further details.

Incompatible materials: Caustics. Acids. Oxidizers.

Packaging material: no special measures.

- 7.3. Specific end use(s):
No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values:

Ethylene glycol monobutyl ether (CAS: 111-76-2):

8-hour reference period: 20 ppm; 98 mg/m³;

15 minute reference period: 50 ppm; 246 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.
- 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. See section 2 for further details.
- 8.2.2. Individual protection measures, such as personal protective equipment:
1. Eye/face protection: Chemical safety goggles/splash shield.
 2. Skin protection:
 - a. Hand protection: Chemical impervious gloves required.
 - b. Other: Chemical resistant clothing such as coveralls/apron and boots should be worn.
 3. Respiratory protection: Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
 4. Thermal hazard: 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 PROPERTIES9.1. Information on basic physical and chemical properties:

Parameter	Test method:	Remarks:
1. Appearance:		light blue liquid
2. Odour:		solvent
3. Odour threshold:		not measured
4. pH:		13
5. Melting point/ freezing point:		not measured
6. Initial boiling point/boiling range:		not measured
7. Flash point:		> 93,3 °C
8. Evaporation rate:		not measured
9. Flammability:		not applicable
10. Upper/lower flammability or explosive limits:		not measured
11. Vapour pressure:		not measured
12 Vapour density:		not measured
13. Relative density:		1,036
14. Solubility(ies):		solubility in water: complete
15. Partition coefficient: n-octanol/water:		not measured
16. Self-ignition temperature:		not measured
17. Degradation temperature:		not measured
18. Viscosity:		not measured
19. Explosive properties:		not measured
20. Oxidizing properties:		not measured

9.2. Other information:

VOC Content: 130 g/L

SECTION 10: STABILITY AND REACTIVITY10.1. 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:

Caustics. Acids. Oxidizers.

10.6. Hazardous decomposition products:

Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon.

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

Acute toxicity: none known.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: none known.

Germ cell mutagenicity: none known.

Carcinogenicity: none known.

Reproductive toxicity: none known.

STOT-single exposure: none known.

STOT-repeated exposure: none known.

Aspiration hazard: none known.

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:

Information about the components:

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Ethylene glycol monobutyl ether (CAS: 111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available
Pentasodium triphosphate (CAS: 7758-29-4)	3,120.00, Rat - Category: 5	No data available	No data available	No data available	No data available

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).

Carcinogen data:

Ingredient	Source	Value
Ethylene glycol monobutyl ether (CAS: 111-76-2)	OSHA	Select Carcinogen: No
	NTP	Known: No; Suspected: No
	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
Pentasodium triphosphate (CAS: 7758-29-4)	OSHA	Select Carcinogen: No
	NTP	Known: No; Suspected: No
	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

- 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:
No data available.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
Causes skin irritation.
Causes serious eye irritation.
- 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:

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethylene glycol monobutyl ether (CAS: 111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
Pentasodium triphosphate (CAS: 7758-29-4)	Not Available	Not Available	Not Available

- 12.2. Persistence and degradability:
Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
- 12.3. Bioaccumulative potential:
Contains components with the potential to bioaccumulate.
- 12.4. Mobility in soil:
Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile.
Floats on water.
- 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:
Disposal according to the local regulations.
- 13.1.1. Information regarding the disposal of the product:
No special recommendation from the manufacturer.
European Waste Code:
For this product no waste disposal key according 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:
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

Not dangerous good in sense of the transport regulations.

- 14.1. UN Number:
None.
- 14.2. UN proper shipping name:
None.
- 14.3. Transport hazard class(es):
None.
- 14.4. Packing group:
None.
- 14.5. Environmental hazard:
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)

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- 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.

Data sources: safety data sheet 13. 04. 2016, version 2

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

Skin Irritation 2 - H315	Based on calculation method
Eye Irritation 2- H319	Based on calculation method

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

H302 – Harmful if swallowed.

H312 – Harmful in contact with skin.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

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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