

SAFETY DATA SHEET

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

- 1.1. Product identifier:
Automatic Pinsetter Cleaner (5 Gallons)

Product Code: 62860083005
- 1.2. Relevant identified uses of the mixture and uses advised against:
Solvent mixture. Restricted to professional users.
- 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):
Flammable Liquids 3 – H226
Eye irritation 2 – H319
Aspiration hazard 1 – H304

Warning H statements:

- H226** – Flammable liquid and vapour.
H304 – May be fatal if swallowed and enters airways.
H319 – Causes serious eye irritation.

- 2.2. Label elements:

Components which define the hazards: Distillates (petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aromatic



DANGER

Warning H statements:

- H226** – Flammable liquid and vapour.
H304 – May be fatal if swallowed and enters airways.
H319 – Causes serious eye irritation.

Precautionary P statements:**P210** – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P235** – Keep cool.**P240** – Ground/bond container and receiving equipment.**P241** – Use explosion-proof electrical/ventilating/lighting equipment.**P242** – Use only non-sparking tools.**P243** – Take precautionary measures against static discharge.**P264** – Wash thoroughly after handling.**P280** – Wear protective gloves/ eye protection/face protection.**P301 + P310** – IF SWALLOWED: Immediately call a POISON CENTER/doctor.**P331** – Do NOT induce vomiting.**P303 + P361 + P353** – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**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.**P370 + P378** – In case of fire: Use extinguishing media listed in section 5 of SDS to extinguish.**P403 + P233** – Store in a well-ventilated place. Keep container tightly closed.**P405** – Store locked up.**P501** – Dispose of contents/container in accordance with local / national regulations.2.3. Other hazards:

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

Results of PBT and vPvB assessment: this product contains no PBT/vPvB chemicals.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1. Substance:

Not applicable.

3.2. Mixture:

Description	CAS number	EU number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
Distillates (petroleum), hydrotreated light Index number: 649-422-00-2	64742-47-8	265-149-8	-	50 - 75	GHS08 Danger	Asp. Tox. 1	H304
Ethyl 3-ethoxypropionate*	763-69-9	212-112-9	-	10 - 25	GHS02 GHS07 Danger	Flam. Liq. 2 Eye Irrit. 2	H225 H319
Solvent naphtha (petroleum), heavy aromatic** Index number: 649-424-00-3	64742-94-5	265-198-5	-	1 - 5	GHS08 GHS09 Danger	Asp. Tox. 1 Aquatic Chronic 2	H304 H411

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

**: Classification specified by the manufacturer, which includes other classification in addition to the classification specified by Regulation 1272/2008/EC.

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

SECTION 4: FIRST AID MEASURES4.1. 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:

- Rinse mouth. Call a physician or Poison Control Centre immediately.
- DO NOT induce vomiting unless advised by a physician.

IN CASE OF INHALATION:

Measures:

- 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.

IN CASE OF SKIN CONTACT:

Measures:

- Wash immediately with soap and water, removing contaminated clothes and shoes.
- Wash contaminated clothing before reuse.
- In case of skin irritation or allergic reactions, see a physician.

IN CASE OF EYE CONTACT:

Measures:

- In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 15 minutes).
- Obtain medical help.

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

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Inhalation: May be fatal if swallowed and enters airways.

Eyes: Causes serious eye irritation.

Protection of First-Responders:

Avoid contact with skin, eyes and clothing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; use artificial respiration with the aid of a pocket mask equipped with a one-way valve or other respiratory medical device.

4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Foam, CO₂, dry chemical.

5.1.2. Unsuitable extinguishing media:

None known.

5.2. Special hazards arising from the substance or mixture:

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

The formation of dangerous decomposition products greatly depends on the circumstances of the combustion. A complex mixture of airborne solid, liquid and gas substances may occur, such as carbon monoxide, carbon dioxide and unidentified compounds.

5.3. Advise for firefighters:

Keep containers tightly closed.

Isolate from heat, electrical equipment, sparks, and open flame.

Closed containers may explode when exposed to extreme heat.

Use self-contained breathing apparatus.

Use water for cooling container to prevent pressure build up, auto-ignition, or explosion.

Avoid the spread of burning liquid with water.
 ERG Guide No. 127

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:

Eliminate sources of ignition; keep away from open flame and extreme heat.

Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.

Avoid contact with skin, eyes and clothing.

Avoid prolonged breathing of vapours.

6.2. Environmental precautions:

Do not allow spills to enter drains or waterways.

6.3. Methods and material for containment and cleaning up:

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.

Collect the spilled product with non-combustible absorbent (e.g. sand, earth, and vermiculite), then place into a suitable, closed, properly labelled chemical waste container for removal/disposal.

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.

Avoid contact with skin, eyes and clothing.

Avoid prolonged breathing of vapours.

Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

Wear protective gloves/eye protection/face protection.

Technical measures:

In case of insufficient ventilation, wear suitable respiratory equipment.

Precautions against fire and explosion:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

See section 2 for further details.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Handle containers carefully to prevent damage and spillage.

Keep container tightly closed in a dry and well-ventilated place.

Store at room temperature.

Incompatible materials: strong oxidizing agents and acids.

Packaging material: no special prescriptions.

See section 2 for further details.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values:

The components of the mixture are not regulated with exposure limit value.

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.

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. Provide eye bath and safety shower. 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: use appropriate protective glasses with side shields (EN 166).
2. Skin protection:
 - a. Hand protection: use appropriate chemical resistant protective gloves (where risk of splashing) (EN 374).
 - b. Other: use appropriate chemical resistant protective boots and apron (where risk of splashing).
3. Respiratory protection: if exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
4. Thermal hazards: 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:		clear liquid
2. Odour:		solvent
3. Odour threshold:		no data available
4. pH value:		no data available
5. Melting point/ freezing point:		no data available
6. Initial boiling point and boiling range:		165 °C – 187,8 °C (329 °F – 370 °F)
7. Flash point:	TCC	52,7 °C/127 °F
8. Evaporation rate:		no data available
9. Flammability (solid, gas):		not applicable
10. Upper/lower flammability or explosive limits:		Lower: 0,8 % Upper: 11,7 %
11. Vapour pressure:		no data available
12 Vapour density:		no data available
13. Relative density:		0,83
14. Solubility(ies):	H ₂ O = 1	water: negligible
15. Partition coefficient: n-octanol/water:		no data available

16. Auto-ignition temperature:	no data available
17. Decomposition temperature:	no data available
18. Viscosity:	no data available
19. Explosive properties:	no data available
20. Oxidizing properties:	no data available

9.2. Other information:

Specific Gravity: 0,83 g/ml (6,92 lb/gal)

% Volatile (by volume) 99,917 %

% Volatile (by weight) 99,9 %

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:
Hazardous polymerization will not occur.
- 10.2. Chemical stability:
Stable within normal temperature and general work conditions.
- 10.3. Possibility of hazardous reactions:
None known.
- 10.4. Conditions to avoid:
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Take precautionary measures against static discharge.
- 10.5. Incompatible materials:
Strong oxidizing agents and acids.
- 10.6. Hazardous decomposition products:
None known.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:
Acute toxicity: none known.
Skin corrosion/irritation: none known.
Serious eye damage/eye 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: may be fatal if swallowed and enters airways.
- 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:
Acute toxicity:
Distillates (petroleum), hydrotreated light (CAS: 64742-47-8):
LD50 (oral, rat): > 5000 mg/kg
Ethyl 3-ethoxypropionate (CAS: 763-69-9):
LD50 (oral, rat): 4300 mg/kg
LD50 (dermal, rabbit): 9500 mg/kg
Solvent naphtha (petroleum), heavy aromatic (CAS: 64742-94-5):
LD50 (oral, rat): > 5000 mg/kg
LD50 (dermal, rabbit): > 2000 mg/kg
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:

CAS No.	Ingredient	Source	Value
763-69-9	Ethyl 3-ethoxypropionate	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
64742-47-8	Distillates (petroleum), hydrotreated light	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

64742-94-5	Solvent naphtha (petroleum), heavy aromatic	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:
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
May be fatal if swallowed and enters airways.
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:
No data available about the product.
Information about the components:
Distillates (petroleum), hydrotreated light (CAS: 64742-47-8):
LC50 (Pimephales promelas): 45 mg/l/96 h
EC50 (Dendronereides heteropoda): 4720 mg/l/48 h
Ethyl 3-ethoxypropionate (CAS: 763-69-9):
LC50 (Pimephales promelas): 50 mg/l/96 h
EC50 (Daphnia magna): 480 mg/l/48 h
ErC50 (Selenastrum capricornutum): 115 mg/l/72 ó
Solvent naphtha (petroleum), heavy aromatic (CAS: 64742-94-5):
LC50 (Pimephales promelas): 45 mg/l/96 h
EC50 (Daphnia magna): 12 mg/l/48 h
ErC50 (Skeletonema costatum): 2,5 mg/l/72 ó
- 12.2. Persistence and degradability:
No data available.
- 12.3. Bioaccumulation potential:
No data available.
- 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:
May be harmful to aquatic life.

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:
Observe all federal, state and local regulations when disposing of this product.
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

- 14.1. UN Number:
1263
- 14.2. UN proper shipping name:
PAINT RELATED MATERIAL
- 14.3. Transport hazard class(es):
3
Packing Instruction: 366- Cargo Aircraft
- 14.4. Packaging group:
III
- 14.5. Environmental hazards:
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)
- 15.2. Chemical safety assessment: no information available.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation (EU) 2015/830 (Section 1-16).

The classification of the components and the mixture have been amended according to Regulation 1272/2008/EC (CLP) and its amendments.

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:

previous version of the safety data sheet (25. 01. 2016.)

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

Flammable Liquids 3 - H226	Based on test methods (test data)
Eye irritation 2 - H319	Based on calculation method

Aspiration hazard 1 – H304

Based on calculation method

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

H225 – Highly flammable liquid and vapour.

H226 – Flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H319 – Causes serious eye irritation.

H411 – Toxic to aquatic life with long lasting effects.

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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