

SAFETY DATA SHEET

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

1.1. Product identifier:

Max 10:1 Concentrated Lane Cleaner

Alternate Names:

Kit/Package Description: Max 10:1 Concentrated Lane Cleaner - 1 x 2.5-gallon container and Max 10 w/ No-Spill Mix Vessel

Kit/Package Part Number: 62-860239-025 and 62-860240-000

Product Part Number 62-860239-025 and 62-860240-000

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

Bowling lane 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):

Acute Toxicity 4 - H302

Skin Irritation 2 - H315

Eye Damage 1 - H318

Warning **H statements:**

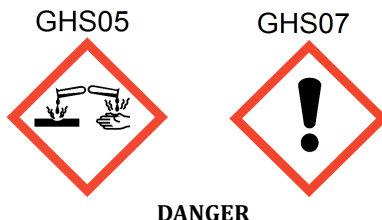
H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

2.2. Label elements:

Components which define the hazards: C9-11 alcohol ethoxylate; Isotridecanol, ethoxylated



Warning **H statements:**

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Precautionary **P statements:**

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

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

- P312** – Call a POISON CENTER/ doctor/if you feel unwell.
P321 – Specific treatment (see information on this label).
P330 – Rinse mouth.
P362 – Take off contaminated clothing.
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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.

- 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
C9-11 alcohol ethoxylate*	68439-45-2	-	-	10-25	GHS07 Warning	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	H302 H315 H319
Isotridecanol, ethoxylated*	9043-30-5	-	-	10-25	GHS05 GHS07 Danger	Acute Tox. 4 Eye Dam. 1	H302 H318

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

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:

- If swallowed obtain immediate medical attention. Keep at rest.
- Do NOT induce vomiting.
- Rinse mouth with water and drink plenty of water.

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:

- Remove contaminated clothing.
- Wash skin thoroughly with soap and water or use a recognized skin cleanser.

IN CASE OF EYE CONTACT:

Measures:

- Make sure to remove any contact lenses from the eyes before rinsing.
- Promptly wash eyes with plenty of water while lifting the eye lids.
- Continue to rinse for at least 15 minutes.
- Get medical attention if any discomfort continues.

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

Overview:

See section 2 for further details.

Eyes:

Causes serious eye damage.

Skin:

Causes skin irritation.

Ingestion:

Harmful if swallowed.

- 4.3. Indication of any immediate medical attention and special treatment needed:
No data available.

SECTION 5: FIREFIGHTING MEASURES5.1. Extinguishing media:

- 5.1.1. Suitable extinguishing media:
Use media appropriate for surrounding area.
- 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 firefighters:

In the event of fire, wear full protective clothing and approved Self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES6.1. 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:

Pick up and transfer to properly labeled containers.

Caution - spillage may be slippery

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

SECTION 7: HANDLING AND STORAGE7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

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 away from sources of ignition.

Store in a cool, dry place. Store in a tightly closed container.

See section 2 for further details.

Incompatible materials: none known.

Packaging material: no special measures.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION8.1. 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.

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:

Safety showers and eye wash stations should be provided in areas where this product is used. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

8.2.2. Individual protection measures, such as personal protective equipment:

1. Eye/face protection: If contact is likely, safety glasses with side shields are recommended.
2. Skin protection:
 - a. Hand protection: Impervious rubber gloves.
 - 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:		orange liquid
2. Odour:		sweet, pungent
3. Odour threshold:		not measured
4. pH:		6.5-8.5
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 (solid, gas): not applicable
 10. Upper/lower flammability or explosive limits: not measured
 11. Vapour pressure: not measured
 12. Vapour density: not measured
 13. Relative density: 1.0
 14. Solubility(ies): solubility in water: complete
 15. Partition coefficient: n-octanol/water: not measured
 16. Auto-ignition temperature: not measured
 17. Decomposition temperature: not measured
 18. Viscosity: not measured
 19. Explosive properties: not measured
 20. Oxidizing properties: not measured
- 9.2. Other information:
 VOC Content: 0 g/l
 Weight per gallon: 8,33 (lbs)

SECTION 10: STABILITY AND REACTIVITY

- 10.1. 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:
 No data available.
- 10.6. Hazardous decomposition products:
 Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:
 Acute toxicity: Harmful if swallowed.
 Skin corrosion/irritation: Causes skin irritation.
 Serious eye damage/irritation: Causes serious eye damage.
 Respiratory or skin sensitization: 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
C9-11 alcohol ethoxylate (CAS: 68439-45-2)	No data available	No data available	No data available	No data available	No data available
Isotridecanol, ethoxylated (CAS: 9043-30-5)	No data available	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
C9-11 alcohol ethoxylate (CAS: 68439-45-2)	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;
Isotridecanol, ethoxylated (CAS: 9043-30-5)	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:
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
- 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
Large amounts will affect pH and harm aquatic organisms.

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
C9-11 alcohol ethoxylate (CAS: 68439-45-2)	Not Available	Not Available	Not Available
Isotridecanol, ethoxylated (CAS: 9043-30-5)	Not Available	Not Available	Not Available

- 12.2. Persistence and degradability:
Biodegradable.
- 12.3. Bioaccumulation potential:
Not Measured.
- 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:
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 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 73/78 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 (08. 10. 2015)

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

Acute Toxic 4 - H302	Based on calculation method
Skin Irritation 2 - H315	Based on calculation method
Eye Damage 1 - H318	Based on calculation method

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

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

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:

+36 70 335 8480;

info@msds-europe.com