

SAFETY DATA SHEET

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

1.1. Product identifier:

DEFY Lane Conditioner

Alternate Names:

Product Part Number

62-860164-004 and 62-860164-001

Kit/Package Part Number:

62-860164-004 and 62-860164-001

Kit/Package Description:

DEFY Lane Conditioner – 4 x 1 Gallon and 1 x 1 Gallon

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

Lubricant. Restricted to professional users. Lane Conditioner.

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:

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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 substance or mixture:

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

Not considered as hazardous mixture.

Warning **H statements:** none.

2.2. Label elements:

Warning **H statements:** none.

Precautionary **P statements:**

P260 – Do not breathe mist/vapours/spray.

P262 – Do not get in eyes, on skin, or on clothing.

P331 – Do NOT induce vomiting.

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P332 + P313 – If skin irritation occurs: 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. Substances

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
Distillates (petroleum), hydrotreated light naphthenic (1)*	64742-53-6	265-156-6	-	50 - 75	GHS08 Danger	Asp. Tox. 1	H304

Mineral oil*	8042-47-5	232-455-8	-	10-25	-	-	-
Distillates (petroleum), hydrotreated heavy naphthenic (1)*	64742-52-5	265-155-0	-	1,0 - 10	GHS07 Warning	Acute Tox. 4	H312
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5- dimethyl -1-(2-methylpropyl)hexyl]-.omega. - hydroxy-*	60878-78-6	-	-	1,0 - 10	GHS07 Warning	Skin Irrit. 2 Eye Irrit. 2	H315 H319
Mineral oil (saturated paraffin oil)*	8012-95-1	232-384-2	-	1,0 - 10	-	-	-

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

(1)Note L:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London.

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General:

No hazards which require special first aid measures. Do not breathe dust/fume/gas/mist/vapours/spray. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

IN CASE OF INGESTION:

Measures:

- DO NOT INDUCE VOMITING!
- If swallowed, vomiting may occur spontaneously.
- If vomiting occurs, keep head below hips to prevent aspiration into lungs.
- Rinse mouth thoroughly.
- Get medical attention.

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:

If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhea. Exposure to solvent vapour 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. See section 2 for further details.

Skin:

Causes mild skin irritation.

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

SECTION 5: FIREFIGHTING 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: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.
Do not breathe mist / vapours / spray.
Do not get in eyes, on skin, or on clothing.
- 5.3. Advise for firefighters:
In the event of fire, wear full protective clothing and NIOSH 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 vapours.

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).
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
- 6.2. Environmental precautions:
Dispose the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.
- 6.3. Methods and material for containment and cleaning up:
Pick up and transfer to properly labelled containers.
Caution - spillage may be slippery.
Eliminate all sources of ignition in the vicinity of spilled material.
- 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 prolonged or repeated contact with skin.
Avoid inhaling vapour and/or mists.
Technical measures:
When handling product in drums, safety footwear should be worn and proper handling equipment should be used.
Keep container tightly closed and in a cool, well-ventilated place.
Use properly labelled and closable containers.
Ensure adequate ventilation.
Precautions against fire and explosion:
Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
This material has the potential to be a static accumulator.
Proper grounding and bonding procedures should be used during all bulk transfer operations.
Use product with caution around heat, sparks, pilot lights, static electricity and open flame.
- 7.2. Conditions for safe storage, including any incompatibilities:
Technical measures and storage condition:
Handle containers carefully to prevent damage and spillage.
Storage Temperature: -50 – 50 °C.
Incompatible materials: strong oxidizing agents and acids.
Packaging material: for containers or container linings, use mild steel or high density polyethylene. Do not use PVC.
- 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 vapour below occupational exposure limits suitable respiratory protection must be worn. Safety showers and eye wash stations should be provided in areas where this product is used.

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.

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

1. Eye/face protection: not required under normal conditions of use.
2. Skin protection:
 - a. Hand protection: skin protection is not required under normal conditions of use. Oil impervious gloves and oil impermeable apron recommended.
 - b. Other: use appropriate protective clothes.
3. Respiratory protection: use 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 brown liquid
2. Odour:		ocean breeze
3. Odour threshold:		not measured
4. pH:		not measured
5. Melting point/ freezing point:		not measured
6. Initial boiling point and boiling range:		not measured

Date of revision: -

Version: 1

7. Flash point:	137.2 °C	Tag Closed Cup
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:	0.852	
14. Solubility(ies):	not measured	
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. Oxidising properties:	not measured	

9.2. Other information:

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only).

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:
Excessive heat and open flame.
- 10.5. Incompatible materials:
Strong oxidizing agents, strong acids and alkalis.
- 10.6. Hazardous decomposition products:
Oxides of carbon and sulphur.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:
Acute toxicity: none known.
Skin corrosion/irritation: none known.
Serious eye damage/irritation: none known.
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
Distillates (petroleum), hydrotreated light naphthenic - (CAS: 64742-53-6)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Mineral oil - (CAS: 8042-47-5)	5,000.00, Rat - Category: 5	No data available	No data available	No data available	No data available

Distillates (petroleum), hydrotreated heavy naphthenic - (CAS: 64742-52-5)	5,000.00, Rat - Category: 5	> 2,000.00, Rabbit - Category: 4	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy- - (CAS: 60878-78-6)	No data available	No data available	No data available	No data available	No data available
Mineral oil (saturated paraffin oil)* - (CAS: 8012-95-1)	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
Mineral oil (saturated paraffin oil)* - (CAS: 8012-95-1)	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;
Mineral oil - (CAS: 8042-47-5)	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;
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy- - (CAS: 60878-78-6)	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;
Distillates (petroleum), hydrotreated heavy naphthenic - (CAS: 64742-52-5)	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;
Distillates (petroleum), hydrotreated light naphthenic - (CAS: 64742-53-6)	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:

Acute toxicity:

Exposure to solvent vapour 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:

No data available.

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:

Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be harmful: LL/EL/IL50 10-100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates (petroleum), hydrotreated light naphthenic - (CAS: 64742-53-6)	Not Available	Not Available	Not Available
Mineral oil - (CAS: 8042-47-5)	10.00, Lepomis macrochirus	Not Available	Not Available
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (Proprietary)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5- dimethyl -1-(2- methylpropyl)hexyl]-.omega. - hydroxy- - (CAS: 60878-78-6)	Not Available	Not Available	Not Available
Mineral oil (saturated paraffin oil)* - (CAS: 8012-95-1)	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 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)

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.

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

H304 – May be fatal if swallowed and enters airways.

H312 – Harmful in contact with skin.

H315 – Causes skin irritation.

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:
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