

SAFETY DATA SHEET

Revision date: 13-08-2019

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

1.1 Product identifier	This SDS cover HP 209; HP 209HV; HP 309; HP 309HV; HP 310; HP 310 HV.
1.2 Relevant identified uses of the substance or mixture and uses advised against	Lane conditioner for bowling lanes.
1.3 Details of the supplier of the safety data sheet	
Producer	Bowling Vision Ltd
Address	Unit 2 Bushacre Court Garrard Way, Kettering, NN16 8TD
Telephone number	+44 (0) 1536 412244
Contact person	Sally Richards
e-mail	sales@bowlingvision.com
1.4 Emergency telephone number	24 hours service is available at www.nhs.uk Call 112 or 999 if an acute emergency. If a less acute call 111.

Section 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as hazardous for health or environment.

2.2 Label elements

EUH 210 Safety data sheet available on request.

2.3 Other hazards

Prolonged exposure to skin can give dermatitis, so called oil acne.

The viscosities of the products are close to the range for classification for toxicity of aspiration hazard, but they do not need to be classified. However, there can still be an aspiration hazard if the products enter the lungs.

Section 3: Composition/information on ingredients

EC-no	CAS-no	Reg-no REACH	Name of component	Conc. Vol%	Classification	Com.
265-156-6 Index: 649-466-00-2	64742-53-6	01-21194803 75-34	Distillates (petroleum), hydrotreated heavy	19-50 %	Asp. Tox. 1, H304	WEL

			naphthenic			
265-157-1	64742-54-7	01- 21194846 27-25	Distillates (petroleum), hydrotreated heavy paraffinic	17-50 %	-	WEL
265-155-0	64742-52-5	01- 21194671 70-45- 0002 och 01- 21194671 70-45- 0031	Distillates (petroleum), hydrotreated heavy naphthenic	9-33 %	-	WEL
232-455-8	8042-47-5	01- 21194870 78-27	White mineral oil (petroleum)	12-18 %	-	WEL
<p>Explanation of abbreviations: CAS-nr. = Chemical Abstracts Service; EU-no (Einecs- or Elincsnr) = European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances. Content specified as; %, %wt/wt, %vol/wt, %vol/vol, mg/m³, ppb, ppm, wt%, vol%. WEL = The product have a workplace exposure limit, PBT = The product is declared since it's a PBT- or a vPvB-substance.</p>						

Comments: None of the oils need classification as carcinogenic as they have a content of less than 3 % DMSO extract, measured according to method IP 346

For risk phrases in plain text, see section 16.

Section 4: First aid measures

4.1 Description of first aid measures	
Inhalation	Not relevant, except when spraying the product. If irritation occurs, move to fresh air and rest.
Skin contact	Wash the skin with water and soap.
Eye contact	Remove contact lenses. Rinse the eyes for a couple of minutes. If symptoms persist, seek a physician.
Ingestion	Drink copious amounts of milk or water. The product is a laxative in large amounts. Do not induce vomiting. There is a hazard of chemical pneumonia if the product enters the lungs.
4.2 Most important symptoms and effects, both acute and delayed	
Inhalation	May cause some transient irritation to the respiratory tract, especially if the product is heated.
Skin contact	Has no acute effect on skin (in this case only a softener effect). Prolonged exposure can give dermatitis, oil acned.
Eye contact	Can give transient mild irritation.
Ingestion	Laxative. May be fatal if the product enters the lungs.
4.3. Indication of any immediate medical attention and special treatment needed	Access to water for rinsing eyes at the working place. Treat symptomatic. External ventricular drain might be necessary if more than a few table spoons have been

	ingested, to avoid that the product enters the lungs if the person is vomiting.
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Section 5: Firefighting measures

5.1 Extinguishing media a. Recommended Extinguishing media b. Not Recommended Extinguishing media	a. Extinguish with foam, carbon dioxide, powder or water spray. b. Water jet. Foam containing substances that are harmful for the environment.
5.2 Special hazards arising from the substance or mixture	There might be a small hazard of spontaneous combustion if the product is absorbed by porous organic material (cotton waste or rag).
5.3 Advise for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	For personal protection equipment see section 8. Wash skin or contaminated clothes with soap and water.
6.1.2 For emergency responders	Wash with water.
6.2 Environment precautions	Prevent discharge to the sewage system.
6.3 Methods and material for containment and cleaning up 6.3.1. Surrounding embankment /sealing 6.3.2 Recommended cleaning up measures 6.3.3 Non-recommended measures	6.3.1. The product is floating on water and leakage in water can be collected with logs. On ground; Make embankments with sand or other inert absorbent and collect. 6.3.2. See 6.3.1. 6.3.3. Do not dispose the product to soil or water.
6.4 Reference to other sections	For personal protection see section 8. For disposal of waste, see section 13.

Section 7: Handling and storage

7.1 Precaution for safe handling	Avoid spills and prevent the product to reach sewage system or surface water. Avoid eating, drinking and smoking in the working area. Wash hands after using the product. Remove contaminated clothing before meals.
7.2 Condition for safe storage, including any incompatibilities	Store the product in original container, protected from direct sun light.
7.3 Specific end use(s)	No specific end uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters

National occupational exposure limits values, EH40, 2005

For Complex mixture of hydrocarbon the WEL value shall be calculated from the different contents. Below is given an example. The previous WEL for oil mist is no longer given in EH40.

CAS-no	Substance name	WEL 8 h	WEL 5 min	WEL 15 min
	Normal and branched chain alkanes \geq C7 Cycloalkanes \geq C7	1200 mg/m ³ 800 mg/m ³		

WEL=Workplace Exposure Limit

PNEC and DNEL/DMEL

CAS-no	Substance name	PNEC (kind of environment)	DNEL (way of exposure)	Com.
64742-53-6	Distillates (petroleum), hydrotreated heavy naphthenic	Not determined	Prolonged exposure Inhalation Local effect (workers) 5.6 mg/m ³ Prolonged exposure, Inhalation, System effect (workers) 2.73 mg/m ³	
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Not determined	Prolonged exposure, Inhalation, System effect (workers) 2.73 mg/m ³	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	Not determined	Prolonged exposure, Inhalation, System effect (workers) 2.7 mg/m ³	

Biological limit values	None
Recommended surveillance procedure	None

8.2 Exposure controls

8.2.1 Recommended technical control measures	None
8.2.2 Individual protection measures, e.g. personal protection equipment	Ensure good ventilation when using the product.
Eye/face protection	None. When spraying the product, use safety goggles.
Skin protection i) Hand protection (material, thickness, breakthrough time) ii) Other protection	i) Nitrile gloves Permeation time 4-8 hrs. ii) Normal working clothes.
Respiratory protection	If spraying the product, one can use a half mask with particle filter P2 and A.
8.2.3 Environmental exposure control	Avoid large leakage to surface water or sewage system

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance/Form /State	Liquid, light yellow
Odour	Mineral oil
Melting point/freezing point	> -60°C
Initial boiling point and boiling range	>250 °C
Flash point	> 140°C (Pensky-Martens)
Evaporation rate	Not determined
Flammability	Not a flammable liquid
Self-ignition temperature	> 270 °C
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Density	0.9 kg/l
Solubility	The product will only emulsify in water. Low water solubility <1 g/l. The product is partly soluble in several solvents, but it is not recommended to mix with organic solvents.
Partition coefficient n-octanol/water	Not determined
Decomposition temperature	Not determined
Viscosity	Kinematic viscosity (40°C): 21.5-24.5 cm ² /s. At 20°C: 39-62 cm ² /s.
Explosive properties	None
Oxidizing properties	None, but handle with care in porous materials. Soak rags in water to avoid fire hazards.

9.2 Other information

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Section 10: Stability and reactivity

10.1 Reactivity	The product is not reactive during normal handling and storage conditions.
10.2 Chemical stability	Stable at normal storing conditions
10.3 Possibility of hazardous reactions	None
10.4 Conditions to avoid	Do not store above normal room temperature.
10.5 Incompatible materials	Strong acids, bases and oxidizing agents. The product can react violently with sodium hypochlorite.
10.6 Hazardous decomposition products	None

Section 11: Toxicological information

11.1 Information on toxicological effects

Distillates (petroleum), hydrotreated heavy naphthenic

a) Acute toxicity

Short term exposure: LD50, rat > 5000 mg/kg body weight. API 1986a (similar material)
Ingestion: The product is probably a laxative. The product can be fatal if it enter the lungs.

Inhalation: LC50 /4h) > 5,53 mg/l EMBSI 1988a (similar material). Not relevant. Only a risk when spraying the product. The product could in this case cause minor irritation to respiratory tracts especially if heated.

Eye contact: Not irritating to eyes (Rabbit UBTL 1984i, similar material).
Could cause mild transient irritation if contact with the eyes, like redness.

Dermal LD50 (rabbit) > 5000 mg/kg API 1982 (similar material)
Skin contact: Not irritating (Rabbit, UBTL 1984e, similar material). Gives no effect on the skin.

Long term exposure:

Ingestion: No known effect, but ingestion in low amount will probably not have any adverse effect.
If the product enters the lungs it can cause chemical pneumonia that can be fatal.

Inhalation: If spraying the product mild irritation of respiratory tracts can occur.

Eye contact: Repeated exposure may cause irritation to the eyes, but will probably not give any remaining effect on the eye.

Skin contact: Repeated contact might dry the skin and cause irritation or eczema (oil acne), but during normal use the risk is low.

b) Skin corrosion/irritation: The product is not corrosive to the skin.

c) Serious eye damage/irritation:

The product will not give serious eye damage or eye irritation.

d) Respiratory or skin sensitisation: The product is not sensitizing. UBTL 1984, k,j,l, Guinea pig, (similar material)

e) Germ cell mutagenicity: No known effects. OECD 473. In vitro, Mammalian Chromosomal Aberration Test. Negative.

f) Carcinogenicity: No known effects. 0.22-0.25 ml/day during 78 weeks on female rats gave not cancer. Doak, 1983, McKee, 1989 (similar material).

g) Reproductive toxicity: No known effects. Dosage of up to 2000 mg/kg/day gave no harmful effects on reproduction.

h) STOT-single exposure No known effects.

i) STOT-repeated exposures No known effects.

j) Aspiration hazard: Can be fatal if the product enters the lungs.

k) Other information -

Section 12: Ecological information

12.1 Toxicity

Distillates (petroleum), hydrotreated heavy paraffinic

Acute EC50 >100 mg/l Fish 96 h

Acute IC50 >100 mg/l Algae 48h

Distillates (petroleum), hydrotreated heavy naphthenic

Acute toxicity:

Fish LL50 > 100 mg/L

Water living invertebrates 96 h LL50 > 10 000 mg/L

Algae 72 h Acute NOAEL > 100 mg/L

Water living invertebrates 21 days, Chronic NOAEL 10 mg/L

Long term toxicity: The product will probably not have any adverse long term effect for the aquatic environment.

Terrestrial organisms: The product is probably not harmful for terrestrial organism, but data is lacking.

Plants: The product is probably relatively harmless for plants, but data is lacking.

Effects on micro-organisms living in wastewater treatment plants

The product has no known effect on microorganism living in wastewater treatment plants.

12.2 Persistence and degradability

The product is biological degradable, but the supplier does not give any data.

12.3 Bioaccumulative potential

The product has probably a potential to bioaccumulate. BCF < 500

Log Kow 2-6

12.4 Mobility in soil

The product has probably a high mobility in the environment as the Log Kow is low.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substance.

12.6 Other adverse effects

The product is insoluble in water. Leakage on water can give a film on the surface that can cause physical damage on organisms, e.g. clog the gills of fish. Oxygen transport can be decreased.

Section 13: Disposal consideration

13.1 Waste treatment methods	<p>a) Emptied plastic package are sorted as hard plastic. The packaging material consists of polypropylene. The product could be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.</p> <p>b) There are no physical/chemical properties that may affect the waste treatment solutions.</p> <p>c) Larger residues should not be released to the sewage system.</p> <p>d) No special security measures concerning waste treatment methods are needed.</p>
Waste codes (EWC)	<p>Depends where the waste is produced, but suitable codes are:</p> <p>08 03 19*</p> <p>13 02 08*</p> <p>13 08 99*</p> <p>20 01 26*</p>
The product is classified as hazardous waste	Yes
Waste codes (EWC) for the container	A suitable code for the package is 20 01 39.
A not thoroughly cleaned container is considered dangerous waste	Yes
Other information	See section 8 for personal protection during disposal of waste.

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Section 14: Transport information

General	Not regulated as hazardous goods
14.1 UN number	-
14.2 UN Proper Shipping Name	-
14.3 Transport hazard class(es)	-
14.4 Packing group	-
14.5 Environmental hazards	-
14.6 Special precautions for users	-
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	The product is not transported in bulk, but if it will happen in the future this product is listed in Annex II of the Marpol convention: Oils.

Section 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

No relevant.

15.2 Chemical safety assessment

Chemical safety assessment is made for the oil with highest concentration in the product.

Section 16: Other information

This MSDS is changed in section 3. A new formulation. Changes of DNEL in section 8 and adding ecological information I section 12.

Hazard and Precautionary statements from section 2 and 3 in plain text:

Asp. Tox. 1 - Aspiration toxicity category 1.

H304 May be fatal if swallowed and enters airways

Sources for data in this MSDS

- Safety datasheet from suppliers of raw materials
- ECHA database chemicals, <http://echa.europa.eu/>

Advice about training:

No special training necessary.

Other information:

The safety data sheet is based on the REACH regulation EC 1907/2006 and the regulation EU 453/2010.

Classification according to the CLP regulation EC 1272/2008.

Names in section 3 are given either according to harmonised classified substances in Annex VI, CLP regulation EC/1272/2008, IUPAC name or other commonly used named chosen by the supplier. See article 18 in the CLP regulation.