



SAFETY DATA SHEET

Page 1 of 8
Issued: 18/11/2021; Revision No.1
GB Regulation S.I. 2020 No. 1577

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Material name : Penetrating Oil Aerosol (PMPO500SC10)
UFI Number : MU8D-Q3CQ-D102-EN35
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use : Lubricant
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier: Automotive Brands
Weston Road
Bretforton, Evesham
Worcestershire
WR11 7QA
United Kingdom
- Tel. : 01789 330 668
- Email (for SDSs) : info@powermaxed.com
- 1.4 Emergency tel. no.:** 01789 330 668 (Available 9am-5pm)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

Physical and Chemical Hazards	Aerosol Cat. 1; H222; H229
Human health	STOT SE3; H336; EUH066
Environment	Not classified

2.2 Label elements

Labelling according to GB CLP:

Signal word: Danger
Hazard Pictogram(s): **Contains:** Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



Hazard Statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H336	May cause drowsiness or dizziness.
Supplemental Hazard Statements:	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary Statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.
	P261	Avoid breathing vapour/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/eye/face protection.

SAFETY DATA SHEET

Page 2 of 8
Issued: 18/11/2021; Revision No.1
GB Regulation S.I. 2020 No. 1577

Precautionary

Statements (continued): P302+P352 IF ON SKIN: Wash with soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (CLP)	Content
HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	64742-48-9 919-857-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336, EUH066	40-50%
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	30-40%
DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	64742-54-7 265-157-1 01-2119484627-25-0014	Not classified but has a WEL, see Section 8	10-20%
DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	64742-54-7 265-157-1 01-2119484627-25-0014	Asp.Tox.1; H304	5-15%
2-ETHYLHEXYL ZINC DITHIOPHOSPHATE	4259-15-8 224-235-5 01-2119493635-27-0000	Eye Dam.1; H318 Aq.Chron.2; H411	<1

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin contact information above.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.
Further information: Standard procedure for chemical fires. Use water spray to cool containers.
Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

Chemical name	8hr TWA	15min STEL	Reference
Liquefied petroleum gas	1750 mg/m ³ /1000ppm	2810 mg/m ³ /1250 ppm	EH40/2005
Distillates, hydrotreated heavy paraffinic	5 mg/m ³	10 mg/m ³	ACGIH
Mineral oil	5 mg/m ³	-	ACGIH

DNEL:

DNEL (workers)	2-ethylhexyl zinc dithiophosphate
Chronic systemic effects (dermal)	0.14 mg/kg/day
Chronic systemic effects (inhalation)	0.07 ppm

PNEC: The paraffinic solvents are hydrocarbons with complex, unknown or variable composition (UVCB). Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

Environment	2-ethylhexyl zinc dithiophosphate
Aquatic Compartment	
Fresh water	0.004 mg/l
Marine water	0.0046 mg/l
STP	3.8 mg/l
Dry Sediment (fresh water)	0.0701 mg/kg
Dry Sediment (marine water)	0.00701 mg/kg
Terrestrial Compartment	
Dry soil	0.0548 mg/kg

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

Skin and body protection: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

SAFETY DATA SHEET

Page 5 of 8
Issued: 18/11/2021; Revision No.1
GB Regulation S.I. 2020 No. 1577

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting a light coloured spray.
Odour	Paraffinic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.8%
Upper explosion limit	9.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>230°C
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Soluble in most organic solvents.
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Based on available data the classification criteria are not met.

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable
Distillates, hydrotreated heavy paraffinic	>5000 mg/kg (Rat)	>5 mg/l (Rat)	>5000 mg/kg (Rabbit)

SAFETY DATA SHEET

Page 6 of 8
Issued: 18/11/2021; Revision No.1
GB Regulation S.I. 2020 No. 1577

Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/eye irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data the classification criteria are not met.
Repeated dose toxicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Mutagenicity:	Based on available data the classification criteria are not met.
Toxicity for reproduction:	Based on available data the classification criteria are not met.
Specific target organ toxicity (STOT):	The product is classified as STOT SE3; H336.
Further information	Repeated exposure may cause skin dryness or cracking.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Based on available data the classification criteria are not met.

Chemical name	Species	Test	Value
Distillates, hydrotreated heavy paraffinic	Daphnia	EL50 48h	>10,000 mg/l
	Fathead minnow	LL50 96h	>100 mg/l
	Algae	NOEL 72h	>100 mg/l

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

12.2 Persistence and degradability	Expected to be readily biodegradable in the main.
12.3 Bioaccumulative potential	Low potential for bioaccumulation.
12.4 Mobility in soil	Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater.
12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Other adverse effects	None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods


Disposal operations: Dispose of in accordance with local and national regulations.
Contact licensed waste disposal company. Most aerosols can be recycled.
Do not pierce or burn or use a cutting torch on the empty aerosol container.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	1950
14.2 UN proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1
		
	Transport labels	
14.4 Packing Group	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
14.5 Environment hazards	Marine Pollutant	Not applicable for aerosols.
14.6 Special precautions for user	EMS	F-D, S-U
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		Not applicable for aerosols.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

GB MCL (Mandatory Classification and Labelling).

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

S.I. 2020 No. 1577: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

Classification and procedure used to derive the classification for mixtures according to GB CLP:

Physical hazards: On basis of test data/Expert judgement.

Health hazards: Calculation method

Environmental hazards: Not classified.

Full text of H-statements referred to under sections 2 and 3

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H226 Flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.

STOT: Single Target Organ Toxicity (Section 2; 11).

SE: Single exposure (Section 2)

DNEL: Derived no effect level – a level above which humans should not be exposed. (Section 8).

PNEC: Predicted No Effect Concentration (Section 8).

TWA: Time-weighted average. (Section 8).

STEL: Short-term exposure limit. (Section 8).

PBT: Persistent, Bioaccumulative, Toxic. (Section 12).

vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]