



SAFETY DATA SHEET

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Issued: 29/07/2022; Revision No. 4
Regulation (EU) 2020/878

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

1.1 Product Identifier

Product Name : Engine Flush (PMEFT)
UFI Number : 2QTY-P133-U00C-JV04

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

Product use : Oil flushing additive

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 Regulation (EC) 1272/2008: Classification, Labelling and Packaging of Substances and Mixtures (CLP):

Physical and Chemical Hazard	Not classified
Human health	Asp.Tox. 1; H304; EUH066
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC:

Signal word: Danger

Contains: Distillates (petroleum), hydrotreated light

Hazard Pictogram(s):



Hazard Statements: H304 May be fatal if swallowed and enters airways

Precautionary Statements: P262 Do not get in eyes, on skin, or on clothing.
P301+P331+P315 If SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention
P405 Store locked up.
P501D Empty containers may contain residual product and vapours.
Do not cut or weld on or near empty containers.
Disposal should only be by means of a licensed waste disposal contractor.

Supplemental Hazard information (EU) EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards None

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures:****Hazardous components**

Chemical Name	CAS No. EC No./ Index No./ Reg. No	Classification (1272/2008/EC)	SCL/M- Factor/ ATE	Content
Distillates (petroleum), hydrotreated light	64742-47-8 265-149-8	Asp.Tox. 1 ; H304	-	70-90%
Butyl Glycol	111-76-2 203-905-0	Not classified	-	10-30%

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

(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).

4. FIRST AID MEASURES**4.1 Description of first aid measures**

General advice: Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest. Do not give victim anything to drink if they are unconscious.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take special care to clean folds, crevices, creases and groin. Get medical attention if irritation persists or develops. Launder clothing and clean shoes thoroughly before re-use.

Eye contact: Check for contact lenses which must be removed from the eyes before rinsing. Promptly rinse eyes with plenty of clean water while lifting the eyelids. Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination. Get medical attention if any discomfort or irritation persists.

Ingestion: If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If patient vomits keep head low to prevent vomit entering lungs. If conscious give 1 - 2 glasses of water to drink. Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

Inhalation: Clean nose and mouth with water. If unconscious or breathing is irregular artificial respiration may be administered by suitably qualified first aiders. Get medical attention if symptoms persist.

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

No further information available.

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

No further information available.

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

Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material.

Unsuitable extinguishing media: Do not use high pressure water jet as this may spread burning material.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for fire-fighters:

Avoid breathing fire vapours. Use water SPRAY only to cool containers! Do not put water on leaked material. Keep run-off water out of sewers and water sources. Dike for water control. Keep all unnecessary people away

Special protective equipment for firefighters:

Wear self-contained breathing apparatus and full protective clothing.

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

Wear protective clothing (see Section 8). Eliminate all sources of ignition. Do not breathe vapour. Keep unnecessary people at a safe distance.

6.2 Environmental precautions

Cover all drains and sewers. Avoid spreading spilt material.

6.3 Methods and materials for containment and cleaning up

Ventilate well. Extinguish all ignition sources. Avoid sparks, flames, heat. No smoking. Keep flammable materials away from spillage. Clean-up personnel should use respirator and liquid contact protection.

Absorb in vermiculate, dry sand or earth and place into containers. Wash well after dealing with spillage. Inform authorities if large amounts are involved. Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

6.4 References to other sections

See sections 7, 8 and 13 for handling precautions, personal protection and disposal information.

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

Keep away from heat, sparks and open flame. Avoid prolonged or repeated contact, use suitable protective goggles, gloves and clothing. (see section 8). Static electricity and formation of sparks must be prevented.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep out of the reach of children

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Workplace/Occupational exposure limit values**

Ingredient Comments:

Chemical name	Country	8hr TWA	15min STEL	Reference
Distillates (petroleum), hydrotreated light (CAS: 64742-47-8)	Germany	50ppm (1)(2) / 350 mg/m ³ (1)(2)	100ppm (1)(2) / 700 mg/m ³ (1)(2)	(1) skin contact (2) Vapour
	Switzerland	50ppm / 350 mg/m ³	100ppm (2) / 700 mg/m ³ (2)	(2) Vapour
Butyl Glycol (CAS: 111-76-2)	United Kingdom	25ppm / 123mg/m ³	50ppm / 246 mg/m ³	Sk, BMGV
	European Union	20 ppm / 98 mg/m ³	50ppm /246 mg/m ³	Sk

8.2 Exposure controls**Personal protection****Eye/face protection:** Wear approved safety goggles.**Skin protection:** No further information available.**Hand Protection:** Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied. Suitable gloves may include - Nitrile. Viton rubber (fluor rubber).**Respiratory protection:** If ventilation is insufficient suitable respiratory protection must be provided. Seek recommendations and advice from equipment manufacturer or supplier.**Other protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact**Hygiene measures:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.**Appropriate engineering controls:** Provide adequate general and local exhaust ventilation.**Environmental exposure controls:** No further information available.**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Colour	Colourless
Odour	Hydrocarbon solvent
Melting point/freezing point	No data available
Initial Boiling point/boiling range	200 - 250 °C. @ 760mm Hg.
Flammability	Lower limit (%) 0.5 Upper Limit (%) 8.0
Lower/Upper explosion limit	No data available

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Flash point	>=75°C PM Closed cup.
Auto-ignition temperature	225°C
Decomposition temperature	No data available
pH (Conc solution)	No data available
Kinematic viscosity	1.5 cSt 40°C
Solubility	Immiscible with water.
Partition coefficient: n-octanol/water	Not applicable for mixtures
Vapour pressure	<10 mbar @ 37.8°C
Density and/or relative density	0.80 @ 15°C
Particle characteristics	Not applicable

9.2 Other information:

Ethanol content % 0

10. STABILITY AND REACTIVITY

10.1 Reactivity	No information available.
10.2 Chemical stability	Stable under normal conditions of storage and use. See Section 7.
10.3 Possibility of hazardous reactions	Hazardous Polymerisation: Will not polymerise.
10.4 Conditions to avoid	Avoid heat, flames and other sources of ignition.
10.5 Incompatible materials	Strong acids. Strong oxidising substances.
10.6 Hazardous decomposition products	Decomposition can lead to the formation of toxic gases or fumes, including carbon monoxide (CO) and carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity (oral)

Toxic Dose 1 - LD 50 >5,000 mg/kg (oral rat)

Acute toxicity (Dermal)

Toxic Dose 2 - LD 50 >5,000 mg/kg (dermal-rbt)

Acute toxicity (Inhalation)

Toxic Conc. - LC 50 >5,000 ppm/8hr (inh-rat) Germ Cell

Skin corrosion/irritation:

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. Not a skin sensitiser.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met. May cause severe irritation to eyes

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met. Prolonged inhalation of high concentrations may damage respiratory system.

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.
Bacteria reverse mutation assay (eg Ames test): Negative

Toxicity for reproduction:

Based on available data, the classification criteria are not met.

STOT – single exposure:

Based on available data, the classification criteria are not met.

STOT – repeated exposure:

Based on available data, the classification criteria are not met.

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Aspiration hazard	Asp. Tox. 1 - H304 Aspiration hazard if swallowed.
11.2 Information on other hazards	Harmful: may cause lung damage if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Pre-existing skin conditions may be aggravated by contact with this product
Endocrine disrupting properties	No ingredients have been identified as having endocrine disrupting properties.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1 Toxicity	LC 50, 96 Hrs, Fish mg/l >1000 Acute Toxicity - Fish LC50 96 hours > 1000 mg/l <i>Onchorhynchus mykiss</i> (Rainbow trout) EC 50, 48 Hrs, Daphnia, mg/l >1000 Acute Toxicity - Aquatic Invertebrates EC50 48 hours > 1000 mg/l <i>Daphnia magna</i> IC 50, 72 Hrs, Algae, mg/l >1000 Acute Toxicity - Aquatic Plants EC50 72 hours > 1000 mg/l <i>Scenedesmus subspicatus</i>
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12.2 Persistence and degradability	Readily biodegradable. Biodegradation Degradation (%): Water 69 28 days
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12.3 Bioaccumulative potential	Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs). Partition Coefficient: Not applicable.
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12.4 Mobility in soil	Floats on water. Contamination will evaporate from the surface of water and soils
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12.5 Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6 Endocrine disrupting properties	No information available.
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12.7 Other adverse effects

Persistent Organic Pollutant	No information available.
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Ozone Depletion Potential	Not applicable.
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13. DISPOSAL CONSIDERATIONS

Product is hazardous waste. Do not allow into drains, sewers or water courses. Dispose of this material and its container at a waste collection point. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed.

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements

14. TRANSPORT INFORMATION

General Information: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	Not applicable
14.2 UN proper shipping name	Not applicable	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	Not applicable
	ADR/RID/ADN Class	Not applicable
	ADR Label No.	Not applicable
	IMDG Class	Not applicable
	ICAO Class/Division	Not applicable
	ICAO Subsidiary risk	Not applicable
	Transport labels	Not applicable
14.4 Packing Group	ADR/RID/ADN; IMDG; ICAO	Not applicable
14.5 Environment hazards	Marine Pollutant	Not applicable.
14.6 Special precautions for user	EMS	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.	

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

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Management of Health & Safety at Work Regulations 1999. Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/15.pdf>

Guidance Notes

Assessing and managing the risks at work from skin exposures to chemical agents. HSG 205. S101: Selecting protective gloves. HSE 04/06

EU Directives

Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1272/2008: CLP (Classification, labelling and packaging of substances and mixtur

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and Commission Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No. 1907/2006.

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

H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstract Service (division of the American Chemical Society).
SE: Single exposure
DNEL: Derived no effect level – a level above which humans should not be exposed.
PNEC: Predicted No Effect Concentration
TWA: Time-weighted average.
SCL: Specific Concentration Limit
STEL: Short-term exposure limit.
PBT: Persistent, Bioaccumulative, Toxic.
vPvB: very Persistent and very Bioaccumulative.

Legal disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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