



SAFETY DATA SHEET

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Issued: 22/07/2022; Revision No.5
Regulation (EU) 2020/878

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

1.1 Product Identifier

Product Name : Radiator Flush (PMRADF)
UFI Number : 5AYC-701H-P00G-S1WU

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

Product use : Coolant System Flush and Rust Inhibitor

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)
National emergency
telephone number:

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	Eye Irrit. 2; H319;
Environment	Not classified

2.2 Label elements

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

Signal word: Warning Contains: Sodium Xylenesulphonate
Hazard Pictogram(s):



Hazard Statements: H319 Causes serious eye irritation

Precautionary Statements: 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 None

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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
Sodium Xylenesulphonate	1300-72-7 215-090-9 01-2119513350-56	Eye Irrit. 2 – H319	Not applicable.	3-6%
Pentasodium Triphosphate	7758-29-4 231-838-7 01-2119430450-54	Not classified	Not applicable.	5-10%
Water	77732-18-5 231-791-2 -	Not classified	Not applicable	84-92%

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 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: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: seek medical attention and bring along these instructions.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Inhalation: Move the exposed person to fresh air at once. Rinse nose with water. Get medical attention if any discomfort continues.

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

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

Irritating and may cause redness and pain.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

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

Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No further information available.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂). Sulphurous gases (SO_x). Metal oxides..

5.3 Advice for fire-fighters:

Special protective equipment: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

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**

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Provide good ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Keep away from food, drink and animal feeding stuffs.

Storage Class

Store between 5 to 40°C (41 to 104°F).

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****Occupational exposure limit values**

Ingredient Comments:

No exposure limits noted for ingredient(s)

Chemical name	8hr TWA	15min STEL	Reference
Sodium Xylenesulphonate (CAS: 1300-72-7)	Not applicable	Not applicable	

8.2 Exposure controls**Personal protection****Eye/face protection:** If risk of splashing, wear safety goggles or face shield.**Skin protection:** Use suitable protective gloves if risk of skin contact. PVC gloves are recommended**Respiratory protection:** If ventilation is insufficient, suitable respiratory protection must be provided.**Other Protection:** Wear appropriate clothing to prevent any possibility of skin contact**Hygiene measures:** DO NOT SMOKE INWORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.**Environmental exposure controls:** Do not contaminate water sources or sewer**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Colour	Colourless to pale yellow
Odour	Slight odour
Melting point/freezing point	No data available
Boiling point/range	>100°C
Flammability	No data available
Lower/Upper explosion limit	No data available
Flash point	>100 CC (Closed Cup)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (Conc solution)	7-10 (3.33%)
Kinematic viscosity	No data available
Solubility	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable for mixtures
Vapour pressure	No data available
Density and/or relative density	1.14 @ 20°C
Particle characteristics	Not applicable

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9.2 Other information: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	There are no known reactivity hazards associated with this product.
10.2 Chemical stability	Stable under normal temperature conditions.
10.3 Possibility of hazardous reactions	Not determined.
10.4 Conditions to avoid	Avoid excessive heat for prolonged periods of time.
10.5 Incompatible materials	Not determined.
10.6 Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Sulphurous gases (SO _x), Metal oxides.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Liquid may irritate skin.
Serious eye damage/irritation:	The mixture is classified as Eye Irrit. 2; H319; Causes serious eye irritation.
Respiratory or skin sensitisation:	In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Liquid may irritate skin.
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.
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.
Aspiration hazard	Based on available data, the classification criteria are not met.
11.2 Information on other hazards	The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels.
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	Acute Toxicity - Fish Not considered toxic to fish.
12.2 Persistence and degradability	There is no data on the degradability of this product.
12.3 Bioaccumulative potential	No data available on bioaccumulation.

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12.4 Mobility in soil	The product is miscible with water. May spread in water systems
12.5 Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
12.6 Endocrine disrupting properties	Not determined.
12.7 Other adverse effects	
Persistent Organic Pollutant	This product does not contain any known or suspected substance.
Ozone Depletion Potential	Not applicable.

13. DISPOSAL CONSIDERATIONS

General information Do not puncture or incinerate even when empty. Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1 Waste treatment methods

Disposal operations: 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****EU Directives**

Regulations (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 with amendments.

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code of Practice Classification and labelling of Substances and Preparations Dangerous for Supply Safety Data Sheets for Substances and Preparations.

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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data/Expert judgement.
Health hazards: Calculation method
Environmental hazards: Calculation method

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

H319 Causes serious eye irritation.

Abbreviations and acronyms

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstract Service (division of the American Chemical Society).
STOT: Single Target Organ Toxicity
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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