



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

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

1.1. Product identifier

Product Name	Magma EdgeFast W550 Brush Grade Cold Joint Paint
Product Inclusion	This document covers Magma Edgefast W550 Brush Grade Cold Joint Paint Only.
Container Size	15kg

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

Identified Uses	Construction & Maintenance of Roads & Airfields. For professional use only.
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier	MHL Group, (Trading name of Meon Ltd.) Railside Northarbour Spur Portsmouth PO6 3TU +44 (0) 23 9220 0606 +44 (0) 23 9220 0707 mail@meonuk.com
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1.4. Emergency Telephone Number

Emergency telephone	+44 (0) 808 118 1922
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to directive 67/548/EC and 1999/45/EC	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects the aquatic environment
Main hazards	Non-applicable.
Classification according to Regulation (EC) 1272/2008	Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3

2.2. Label Elements

According to directive: 67/548/EC and directive 1999/45/EC	<u>R Phrases:</u> R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment <u>S Phrases:</u> S61: Avoid release to the environment Refer to special instructions/safety data sheets
According to regulation: (EC)1272/2008	<u>Hazard statements:</u> Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects <u>Precautionary statements:</u>

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P273: Avoid release to the environment

P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical description:

Cationic bituminous emulsion

Hazardous ingredients:

Chemical identity:	CAS No: EC No: Reach No:	Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
Asphalt	8052-42-4 232-490-9 01-2119480172-44	- -	50.0 - 75.0 %
Quaternary ammonium compounds, pentamethyltallow, alkyltrimethylenedi-, dichlorides	68607-29-4 271-762-1 -	N: R50/53; Xi: R38, R41; Xn: R22 Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	<1.0 %
Naphtha (petroleum), hydrodesulfurized heavy, <0.1%EC200-753-7	64742-82-1 265-185-4 01-2119490979-12	N: R51/53; Xn: R65; R10; R66; R67 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336 - Danger	<1.0 %

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	This product is not classified as dangerous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.
Eye contact:	Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.
Skin contact:	This product is not classified as dangerous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.
Ingestion:	Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Powder.
Extinguishing media which must not be used for safety reasons	Tap water.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a
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serious health risk.

5.3. Advice for firefighters

Special protective equipment for firefighting.

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit) in accordance with Directive 89/654/EC.

Additional information on firefighting

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to flammability, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2. Environmental precautions

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3. Methods and material for containment and cleaning up

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4. Reference to other sections

See section 8 and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions on safe handling

Precautions on safe handling

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and destroy using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks.

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, Including any incompatibilities

Min temp : 5 °C

Max temp : 30 °C

Max time: 12 months

Avoid sources of heat, radiation, static electricity and contact with food.

7.3. Specific and uses

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Work exposure limit:

ASPHALT

Long-term exposure limit (8-hour TWA): WEL - ppm(Sk) 5 mg/m³(Sk)

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Short-term exposure limit (15-minute): WEL - ppm(Sk) 10 mg/m ³ (Sk)
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DNEL / PNEC:

No data available.

8.2. Exposure controls

General safety and hygiene: measures in the work place	As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.
Respiratory protection:	The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.
Skin protection – Hand:	Mandatory use of chemical protective gloves. Replace the gloves at any sign of deterioration. CEN Standard; EN 374-1:2003, EN 374-3:2003/AC:2006, EN 420:2003+A1:2009
Skin protection – Face:	Mandatory use of panoramic glasses against liquid splash. Clean daily and disinfect periodically according to manufacturer's instruction. CEN Standard; EN 166:2001, EN 172:1994/A1:2000, EN 172:1994/A2:2001, EN ISO 4007:2012.
Skin protection - Other:	Wear suitable work clothing. CEN Standard; EN ISO 13688:2013 and anti-slip work shoes. CEN Standard; EN ISO 20347:2012, EN ISO 20344:2011.
Additional emergency measures:	Eyewash stations. Standards; ANSI Z358-1, ISO 3864-1:2002. Emergency shower. Standards; DIN 12 899, ISO 3864-1:2002.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Appearance:	Thick
Colour:	Black
Boiling point:	100 °C
Vapour pressure at 20 °C:	2356Pa
Vapour pressure at 50 °C:	12411Pa (12kPa)
Density at 20 °C:	1011 kg/m ³
Relative density at 20 °C:	1.011
Flash point:	Non-flammable (>60°C)
Autoignition temperature:	275 °C

9.2. Other information

Non-applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions.

10.4. Conditions to avoid

Heat. Avoid direct impact with sunlight

10.5. Incompatible materials

Auto ignition at the surfaces of porous or fibrous materials impregnated with this product, can occur at temperatures as low as 100 °C.

10.6. Hazardous decomposition products

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See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: Toxicological information

11.1. Toxicological information

ORAL	RAT	LD50	5100	mg/kg
SKN	RBT	LD50	3160	mg/kg
INHL	RAT	LC50	12(4H)	mg/L

11.2. Information on toxicological effects

Ingestion:	Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
Inhalation	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
Skin and eye contact:	Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.
CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
Sensitizing effect:	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.
Specific target organ toxicity: (STOT) – time exposure	Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
Specific target organ toxicity: (STOT) – repeated exposure	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
Aspiration hazard:	Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

SECTION 12: Ecological information

12.1. Toxicity

No data is available.

12.2. Persistence and degradability

No data is available.

12.3. Bioaccumulative potential

High potential in bioaccumulation.

12.4. Mobility in soil

No data is available.

12.5. Results of PBT and vPvB assessment

No specific test data available.

12.6. Other adverse effects

No specific test data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste management:	Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as
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Regulations related to waste: management

non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.
In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000.

SECTION 14: Transport information

This product does not require a classification for transport.

SECTION 15: Regulatory information

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

Regulations:

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable
Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable
Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable
Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable.

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Relevant instructions for use:

Sprayco Probond 60 can be applied warm or cold.

Other legislation:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885
Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

SECTION 16: Other information

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

Modifications related to the previous safety card which concerns the ways of managing risks. :

Directive 67/548/EC and Directive 1999/45/EC:

- R Phrases
- S Phrases

Text of R-phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

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Directive 67/548/EC and Directive 1999/45/EC:

R10: Flammable

R22: Harmful if swallowed

R38: Irritating to skin

R41: Risk of serious damage to eyes

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R65: Harmful: may cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking

R67: Vapours may cause drowsiness and dizziness

CLP Regulation (EC) n° 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed Aquatic

Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Eye Dam. 1: H318 - Causes serious eye damage

Flam. Liq. 3: H226 - Flammable liquid and vapour

Skin Irrit. 2: H315 - Causes skin irritation

STOT SE 3: H336 - May cause drowsiness or dizziness

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Legend to abbreviations:

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

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.