

SAFETY DATA SHEET - Part.1

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 SkidGrip R140 Preformed Thermoplastic Sheets

Product Inclusion Part.1 of this document applies to all Magma SkidGrip R140 Preformed Plastic Sheets

Container Size NA

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

Identified Uses
Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier Meon Ltd.

Railside

Northarbour Spur Portsmouth PO9 3TU

+44 (0) 23 9220 0606 mail@meonuk.com

1.4. Emergency Telephone Number

Emergency telephone +44 (0) 808 118 1922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

Product is not classified as a hazardous chemical substance.

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008, (CLP)

Hazard label

Hazard Pictogram.



Signal word

No signal word.

Hazard statement(s)

It does contain a component that is suspected of causing cancer. However, in the product's solid form, it cannot be inhaled, and inhalation due to exposure is very unlikely.

2.3. Other hazards

Environmental Hazard

Adverse human health and environmental effects: This product's potential as an environmental hazard is low. If handled and used according to THERMOMARK ROAD&DECO BY PTSUR® instructions, it should not be hazardous to human health. Contrarily, not following the instructions may result in poor product performance and cause health and safety hazards. Human health effects: See Section 11 for more information.

SECTION 3: Composition/information on ingredients

SUBSTANCE [] MIXTURE [X]

Chemical name and synonyms

Chemical family

Dangerous component(s)

Ingredient	Cas-No:	CLP Hazard Statements	Concentration
Titanium dioxide	13463-67-7	Carc. 2, H351	<14%
		GHS08	
		Wng	

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

Skin contact In its cold form, this product is not hazardous to skin. Heated or melted thermoplastic can

cause serious skin burns. If skin comes in contact with molten material, immerse in or flush with plenty of cold water. Do NOT attempt to remove the material from skin.

Seek immediate medical attention.

Eye contact In its cold form, this product is not hazardous to the eyes. Heated or melted

thermoplastic can cause serious burns to the eyes. In the event of contact with molten material, flush eyes with plenty of cold water for at least 15 minutes. In the event of eye

exposure to dust generated by cutting, scraping, crushing or mechanical action,

immediately flush with plenty of cold water for at least 15 minutes.

In its cold form, the product is not an inhalation hazard. In the event of excessive exposure

dust or smoke, seek fresh air. Seek medical attention if symptoms develop.

2 | 13

Ingestion Do NOT induce vomiting. Drink water. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media should be used Water, water fog, dry chemical powder, foam, or carbon dioxide

(CO₂)

5.2. Special hazards arising from the substance or mixture

Firefighters should use self-contained breathing apparatus (SCBA) with positive pressure and facial protection in the event of potential exposure to fumes, vapours or hazardous decomposition products. Use of pressurised water will spread the burning material. Combustion emits toxic fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If the product molten or hot, allow it to cool and solidify. Cold water will speed up cooling.

Use suitable protective equipment to handle heated or molten thermoplastic. Avoid skin contact.

Avoid inhaling dust generated by cutting, scraping, crushing or mechanical action. Use suitable protective equipment.

SECTION 7: Handling and storage

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Limits for occupational exposure and/or biological limit values.

8.2. Exposure controls

Ventilation Ensure there is sufficient ventilation of the area.

Eyes Safety glasses. Ensure eye bath is to hand.

Skin Protective clothing & footwear.

Respiratory Without suitable ventilation, suitable respiratory protective equipment must

be used.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

OdourOdourlessBoiling Point °F:Not applicable.Melting Point:100°C-125°CSpecific gravity:1.9-2.0

Vapor pressure (mm Hg):Not applicable.Appearance and Odor:Perceptible Odour.

Percent Volatile by Volume (%):

Evaporation Rate: Not applicable. Vapor Density (Air = 1): Not applicable.

Solubility in Water:

Water solubility Not soluble in water.

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

This material is not a hazardous chemical substance. However, vapours produced by processing and heating may be hazardous.

Hazardous polymerisation

Not applicable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

this product is not classified as a hazardous chemical substance.

SECTION 12: Ecological information

12.1. Toxicity

This product does not produce hazardous residue in that it does not leach metals or other hazardous substances. No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of materials should be in accordance with local, state, provincial and national regulations.

Dispose of or incinerate at a waste treatment facility approved by the corresponding authorities.

SECTION 14: Transport information

This product does not require a classification for transport.

SECTION 15: Regulatory information

Not applicable.

SECTION 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Hazards: Health: 0 Flammability: 1 Reactivity: 0

Special hazards: none

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.

4 | 13



SAFETY DATA SHEET - Part.2

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 Aggregate 0.9–1.4mm Buff Bauxite

Product Inclusion Part.2 of this document covers Aggregate 0.9–1.4mm Buff Bauxite only.

Container Size 2kg

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

Identified Uses Refractory raw material, road surfacing aggregate, welding.

Uses advised againstNo specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Meon Ltd.

Railside

Northarbour Spur Portsmouth PO6 3TU

+44 (0) 23 9220 0606 mail@meonuk.com

1.4. Emergency Telephone Number

Emergency telephone +44 (0) 808 118 1922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: UVCB

Classification according to Classification, Labelling & Packaging Regulation (EC) 1272/2008

Not classified.

Ingredients of unknown toxicity: Percentage of the mixture consisting of ingredients of unknown toxicity: 100% Ingredients of unknown toxicity: Percentage of the mixture consisting of ingredients of unknown hazards to aquatic

environment: 100%

Classification according to Directive 67/548/EEC

 $Not\ classified.$

See section 16 for the full text of the R phrases or H statements declared above. See section 11 for more detailed information on health effects and symptoms.

2.2. Label Elements

Hazard pictograms

Not applicable.

Signal word

No signal word.

Hazard statements

No known significant effects or critical hazards.

Precautionary statements

Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

2.3. Other hazards

Substance meets the criteria for PBT according to regulation (EC) N° 1907/2006, Annex XIII. Not applicable Substance meets the criteria for vPvB according to regulation (EC) N° 1907/2006, Annex XIII. Not applicable Other hazards which do not result in classification: Dust contains respirable crystalline silica. Prolonged and or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable dust should be monitored and controlled. The product should be handled using methods and techniques that minimize or eliminate dust generation. The product contains less than 1 % w/w RCS (respirable crystalline silica) as determined by the SWERF method. The respirable crystalline silica content can be measured using the "Size-Weighted Respirable Fraction- SWERF" method. All details about the SWERF method is available at www.crystallinesilica.eu .

SECTION 3: Composition/information on ingredients

SUBSTANCE [] MIXTURE [X]

Substance/mixture: Multi constituent substance

Ingredient	EC No:	R-Phrases	Concentration	Туре
	Cas No:	CLP Hazard Statements		
Bauxite(*)	296-579-9	Not classified	100%	[*]
	92797-42-7	Not classified		
Aluminium Oxide(A)	215-691-6	Not classified	>85%	[A]
	1344-28-1	Not classified		
Quartz(SiO2)(B)	238-878-4 14808-60-7	Not classified	<10%	[B]
		Not classified		
Titanium oxide(B)	236-675-5	Not classified	<5%	[B]
	13463-67-7	Not classified		
Diiron trioxide(B)	215-168-2	Not classified	<3%	[B]
	1309-37-1	Not classified		

There are no additional ingredients present which, within the current knowledge are classified and contribute to the classification of the substance and hence require reporting in this section.

Other Information

None.

- [*] Substance
- [A] Constituent
- [B] Impurity

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

4.1. Description of first aid measures

In case of inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms occur.

In case of skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur wash skin with soap and water. or Rinse with water. In the event of a visible skin change or other complaints, seek medical

advice (show label or SDS where possible).

In case of eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for any to remove any contact lenses. Get medical attention if irritation

occurs.

In case of ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position

comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Self-protection of the first aider: No action shall be taken involving any personal risk or without suitable training.

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

No known significant effects or critical hazard.

Over-exposure signs/symptoms

No specific data

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

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. **Specific treatment**

No specific treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguishing media which must not be used for safety reasons Use an extinguishing agent suitable for the surrounding fire.

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazard No specific hazard.

5.3. Advice for firefighters

Special protective measures in

fire

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal

risk or without suitable training. Move containers from fire area if this can

be done without risk.

Special equipment for fire-

fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots, and gloves) conforming to European Standard EN 469

will

provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training.

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Avoid breathing dust. Put on appropriate personal protective equipment. No smoking.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any

information in section 8 on suitable or unsuitable materials. See also information in "for non-emergency personnel".

6.2. Environmental precautions

Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways or air).

6.3. Methods and material for containment and cleaning up

Small spill:

Move containers from spill area. Vacuum or sweep up material and place in a designated labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill:

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in designated labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note see section 1 for emergency contact information and section 13 for waste disposal.

6.4. Reference to other sections

See section 1 for emergency contact information

See section 8 for information on appropriate personal protective equipment.

See section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions on safe handling

Put on appropriate personal protective equipment (see section 8). Avoid breathing dust. Avoid creating dusty conditions and prevent wind dispersal. Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in segregated and approved area. Store in original container and protect from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end uses

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with Occupational Exposure Limits (OEL)

Name	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3	OEL Note
Aluminium oxide				4(Resp.) 10(Inh.)	WEL
Titanium oxide				4(Resp) 10(Inh)	WEL
Quartz				0.1(Resp)	WEL
Diiron trioxide				4(Resp) 10(Inh)	WEL

Recommended monitoring procedures: If this product ingredient with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

No DELs available

Predicted effect concentrations

No PECs available

8.2. Exposure controls

Engineering measures No special ventilation requirements. Good general ventilation

should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep

worker exposure below any recommended or statutory limits.

Hygiene measures Wash hands, forearms, and face thoroughly after handling chemical

products before eating, smoking and using lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are closed to the

workstation location.

Respiratory equipment Use a properly fitted air-purifying or air feed respirator complying with an

approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the safe

respirator.

Eye/face protection Safety eyewear complying with an approved standard should be used

when a risk assessment indicated this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If operating conditions cause high

dust concentrations to be produced, use dusts goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved

standard should be worn at all times when managing chemical products

if a risk assessment indicated this is necessary.

Body protection Personal protective equipment for the body should be selected based

on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Skin protection Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

Environmental exposure Emissions from ventilation and work process equipment should be checked

to ensure they comply with the requirements of environmental protection

legislation. In some cases fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce

emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state Solid {powder, granular particles or aggregate}

Colour Yellow/ Beige/ Grey

Odour Odourless
Melting point/freezing point >2000°C
Relative density >3.1g/cm3

Solubility(ies) Insoluble in water

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or Its ingredients.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

No specific data.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition Products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Name According to EEC	Oral LD50 (RAT)	Inhale LD50 (RAT)	Dermal LD50 (RBT)
Titanium dioxide	>60g/kg		

Sensitiser No known significant effects or critical hazards. Mutagenicity No known significant effects or critical hazards. Cancerogenicity No known significant effects or critical hazards. Reproductive toxicity No known significant effects or critical hazards. No known significant effects or critical hazards. **Teratogenicity STOT SE** Not available. **Aspiration hazard** Routes of entry anticipated. Oral, inhalation Potential acute health effects No known significant effects or critical hazards. Symptoms related to the physical, chemical and No known significant effects or critical hazards toxicological characteristics Not available.

Delayed and immediate effects and also chronic effects

from short and long term exposure

Not available Potential chronic health effects

SECTION 12: Ecological information

12.1. Toxicity

Ingredient	Result	Species	Exposure
Titanium dioxide Acute EC50 5.83mg/l		Algae-Pseudokirchneriella	72h
Fresh water		Subsantita-Exponential growth phases	
	Acute EC50>10mg/l	Dapnia-Daphnia magna<24hours	48h
	Fresh water		
Acute LC50 5.5ppm		Daphnia-Dapnia magna-	48h
	Fresh water	Juvenille(Fledging,hatchling,weanling)<24h	
	Acute LC50> 10mg/l	Fish-Fundulus hetteroclitus	96h
	Marine water		
	Chronic NOEC 1 ppm	Daphnia-Saphnia magna –	48h
	Fresh water	Juvenille(Fledging,hatchling,weanling)<24h	

10 | 13

Ch	hronic NOEC 500ppm	Daphnia-Saphnia magna –	48h
Fro	resh water	Juvenille(Fledging,hatchling,weanling)<24h	

Conclusion/summary: No known significant effects or critical hazards.

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No information.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste:

Within the present knowledge of the supplier, this product is not regarded as

Hazardous waste, as defined by EU Directive 91/689EEC.

Packaging

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration of landfill should only be considered when recycling i.e. not feasible.

Special precautions:

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Not regulated and not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) n° 1907/2006 (REACH)

Annex XIV – List of substances subject to authorisation.

Substances of very high concern

None of the components are listed

Annex XVII – Restrictions on the manufacture: Not applicable

Placing on the market and use of certain dangerous substances / mixtures.

Other EU regulations

Europe inventory: All components are listed or exempt

Block-list Chemicals:

Priority List Chemicals:

Integrated pollution prevention:

Not listed

Not listed

and control list (IPPC)- Air

Integrated pollution prevention: Not listed

11 | 13

and control list (IPPC)- Water

International regulations

Chemical Weapons: Not listed

Convention List Schedule I Chemicals

Chemical Weapons: Not listed

Convention List Schedule II Chemicals

Chemical Weapons: Not listed

Convention List Schedule III Chemicals

15.2. Chemical Safety assessment

Not applicable

15.3. Registration status

Exempt

SECTION 16: Other information

Risk Phrases in Full

Not classified

Hazard Statements in Full

Not classified

List of Wastes" Acronym & Abbreviation Key:

CLP Classification, Labelling & Packaging Regulation

EC European Commission

EU European Union

US United States

CAS Chemical Abstract Service

EINECS European Inventory of Existing Chemical Substances

REACH Registration, Evaluation, Authorization of Chemicals Regulation

GHS Globally Harmonized System of Classification and Labelling of Chemicals

LTEL Long term exposure limit

STEL Short term exposure limit

OEL Occupational exposure limit

ppm Parts per million

mg/m3 Milligrams per cubic meter

TLV Threshold Limit Value

ACGIH American Conference of Governmental Industrial Hygienists

OSHA Occupational Safety & Health Administration

PEL Permissible Exposure Limits

VOC Volatile organic compounds

g/I Grams per liter

mg/kg Milligrams per kilogram

N/A Not applicable

LD50 Lethal dose at 50%

LC50 Lethal concentration at 50%

EC50 Half maximal effective concentration

IC50 Half maximal inhibitory concentration

PBT Persistent bioaccumulative toxic chemical

vPvB Very persistent and very bioaccumulative

EEC European Economic Community

ADR International Transport of Dangerous Goods by Road

RID International Transport of Dangerous Goods by Rail

UN United Nations

IMDG International Maritime Dangerous Goods Code

IATA International Air Transport Association

MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978

IBC International Bulk Container

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.