

540629 - Magma SkidGrip X348 Kit. Bauxite  
[Part.1 – Base. Part.A | Part.2 – Hardener. Part.B | Part.3 - Aggregate]



**SAFETY DATA SHEET – Part.1**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 870/2020

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

**1.1. Product identifier**

**Product Name** Magma SkidGrip X348 Kit Part A Base  
**Product Inclusion** Part.1 of this document covers Magma SkidGrip X348 Kit Part.A Base only.  
**Container Size** Variable

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

**Identified Uses** Professional Two Component Resin Bonded Surfacing System  
**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  
Northharbour 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**

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

**2.1. Classification of the substance or mixture**

- **Physical hazards:** Not Classified  
- **Health hazards:** Not Classified  
- **Environmental hazards:** Not Classified

**2.2. Label Elements**

- **Signal Word:** None

**Hazard statements**

None.

**Precautionary statements**

None.

**2.3. Other hazards**

None.

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**SECTION 3: Composition/information on ingredients**

The product is not classified as hazardous according to directive 1999/45/EEC.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- In case of eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical attention if irritation persists.
- In case of skin contact:** After contact with skin, wash immediately with plenty of soap and water.  
Take off contaminated clothing and wash it before reuse.  
If skin irritation occurs: Get medical advice/attention.
- In case of ingestion:** If swallowed, rinse mouth with water (only if the person is conscious)  
Give water or milk to drink.  
Never make an unconscious person vomit or drink fluids  
Do not induce vomiting.  
If vomiting occurs turn patient on side  
Get medical advice/attention if you feel unwell.

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

- May cause nausea/vomiting
- May cause diarrhoea
- May cause redness and irritation

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

- Treat symptomatically

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Do not use water jets

**5.2. Special hazards arising from the substance or mixture**

- Hazardous Products of Combustion: Nitrogen and carbon oxides may be formed
- Containers can burst violently or explode when heated, due to excessive pressure build-up.

**5.3. Advice for firefighters**

Protective actions during firefighting:

Avoid breathing fire gases or vapours, evacuate area and keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. Due to reaction with water producing CO<sub>2</sub> gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Containers may burst if overheated. Reaction between water and hot isocyanate may be vigorous. Control run-off water by containing and keeping it out of sewers and watercourses. if risk of water pollution occurs notify appropriate authorities.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus. (SCBA) with a full face-piece operated in positive pressure mode. Safety boots, gloves, safety helmet and protective clothing should be worn. Firefighters clothing conforming to European Standard EN469 will provide a basic level of protection for chemical incidents.

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures**

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

**6.3. Methods and material for containment and cleaning up**

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. Approach the spillage from upwind. For small spillages absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. For large spillages, if leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**6.4. Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

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**SECTION 7: Handling and storage**

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**7.1. Precautions on safe handling**

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Wash promptly if skin becomes contaminated. Take off contaminated clothing.

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

**7.2. Conditions for safe storage, including any incompatibilities**

- Store at ambient temperature
- Store in a closed container.

**7.3. Specific and uses**

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

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Not applicable.

**8.2. Precautionary measures**

**Personal Protective Equipment:**

**Eye/Face Protection**

Eyewear complying with EN 166 should be worn if a risk assessment indicates eye contact is possible. If an inhalation hazard also exists, a full-face respirator may be required instead.

**Hand Protection**

Chemical-resistant, impervious gloves complying to European Standard EN 374 should be worn if a risk assessment indicates skin contamination is possible. Examples of gloves materials that might provide suitable protection include: Butyl rubber (BR), Nitrile rubber (NR), Chloroprene rubber (Neoprene). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN374) is recommended. Check during use that gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes of gloves are recommended.

**Other Skin and Body Protection**

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

**Respiratory Protection**

Under normal use of the product respiratory protection should not be required. If a risk assessment indicates inhalation of contaminants is possible respiratory protection should comply with the approved standard. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and that the filter is changed regularly. Gas and combined filter cartridges should comply with European Standard EN 14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN 136. Half mask or quarter mask respirators with replaceable filter cartridges should comply with European Standard EN 140.

**Hygiene Measures**

Provide eyewash station and safety shower, Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and work areas every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventative industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

**8.3 Environmental exposure controls**

Keep containers tightly sealed when not in use. Avoid spillage or runoff entering drains, sewers or watercourses. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

- Physical state:	liquid
- Appearance:	cloudy, beige
- Viscosity:	4,000 ± 600 mPa.s at 23 °C
- Density:	0.96 g/cm <sup>3</sup> at 23 °C
- Flash point:	Not applicable
- Boiling point:	Not known
- Melting point:	Not known
- pH:	Not applicable
- Solubility in water:	Insoluble in water

**9.2. Other information**

This safety data sheet only contains information relating to safety and does not replace product information or product specification.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reactions known if used for its intended purpose.

**10.2. Chemical stability**

Considered stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4. Conditions to avoid**

No special precautions are required for this product.

**10.5. Incompatible materials**

No hazardous reactions known if used for its intended purpose.

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Not hazardous.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Not Classified.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

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**12.5. Results of PBT and vPvB assessment**

Not classified.

**12.6. Other adverse effects**

No hazardous reactions known if used for its intended purpose.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Dispose of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to the handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Do not empty into drains, sewers or watercourses. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

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**SECTION 14: Transport information**

**14.1 UN number or ID number**

UN No.: Not applicable

**14.2 UN proper shipping name**

Proper Shipping Name: Not applicable

**14.3 Transport hazard class(es)**

Hazard Class: Not applicable

**14.4 Packing group**

Not applicable.

**14.5 Environmental hazards**

Not Classified.

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

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

- The COSHH Regulations apply in the UK
- This Safety Data Sheet is provided in compliance with the Health and Safety at Work Act
- United Kingdom - The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulation 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]
- United Kingdom - EH40/2005 Workplace Exposure Limits
- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

**15.2 Chemical safety assessment**

- This Safety Data Sheet does not constitute a workplace risk assessment
- A REACH chemical safety assessment has not been carried out.

**SECTION 16: Other information**

*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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**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**

<b>Product Name</b>	Magma SkidGrip X348 Kit Part B Hardener
<b>Product Inclusion</b>	Part.2 of this document covers Magma SkidGrip X348 Kit Part.B Hardener only.
<b>Container Size</b>	Variable

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

<b>Identified Uses</b>	Hardener.
<b>Uses advised against</b>	No specific uses advised against are identified.

**1.3. Details of the supplier of the safety data sheet**

<b>Supplier</b>	Meon Ltd. Railside Northharbour 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**

<b>Emergency telephone</b>	+44 (0) 808 118 1922
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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

<b>Physical Hazards:</b>	Not classified.
<b>Health Hazards:</b>	H315 – Causes skin irritation. H319 – May cause an allergic skin reaction. H332 – Harmful if inhaled. H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 – May cause respiratory irritation. H351 – Suspected of causing cancer. H373 – May cause damage to organs through prolonged or repeated exposure.
<b>Environmental Hazards:</b>	Not classified.
<b>CLP:</b>	Skin Irrit 2, Skin Sens. 1, Eye Irrit. 2, Acute Tox. 4, Resp. Sens. 1, STOT SE 3, Carc 2, STOT RE 2.



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**2.2. Label Elements**

Hazard pictograms



**Signal word**

Danger

**Contains**

Polymeric diphenylmethane diisocyanate, Polymeric MDI

**Supplemental label information**

EUH204 Contains isocyanates. May produce an allergic reaction.

**H-statement(s)**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer by inhalation.

H373 May cause damage to organs through prolonged or repeated exposure.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

**P-statement(s)**

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**2.3. Other hazards**

Contains: Polymeric diphenylmethane diisocyanate, Polymeric MDI

In the EU, NO, IS, LI and GB "As from 24 August 2023 adequate training is required before industrial or professional use."

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**SECTION 3: Composition/information on ingredients**

SUBSTANCE [ ] MIXTURE [X]

**3.1 Substances**

Ingredient	CAS No. EC No.	Classification	Concentration
Polymeric diphenylmethane diisocyanate, Polymeric MDI	CAS-No.: 9016-87-9 EC No.: 618-498-9	Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373  GHS06 GHS08	100%

The full text for all H and R phrases is displayed in section 16.

**3.2 Mixtures**

Not applicable.

**SECTION 4: First aid measures**

Avoid any actions which may cause undue risk. Only trained personnel should use this material.

**4.1. Description of first aid measures**

- In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.  
Seek medical attention if irritation persists.
- In case of skin contact:** After contact with skin, wash immediately with plenty of soap and water.  
Take off contaminated clothing and wash it before reuse.  
If skin irritation occurs: Get medical advice/attention.
- In case of inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If breathing is difficult oxygen should be given by a trained person.  
Seek medical advice if necessary.
- In case of ingestion** If swallowed, rinse mouth with water (only if the person is conscious).  
Never make an unconscious person vomit or drink fluids.  
Do not induce vomiting.  
If vomiting occurs turn patient on side.  
Get medical advice/attention if you feel unwell.

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

- May cause dry throat
- May cause headache
- May cause nausea/vomiting
- May cause redness and irritation
- May cause shortness of breath
- May cause sensitisation by inhalation and skin contact.
- Suspected of causing cancer.

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

- Treat symptomatically
- If breathing is difficult, oxygen should be given by a trained person.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Do not use water jets

**5.2. Special hazards arising from the substance or mixture**

**- Hazardous Products of Combustion:**

Nitrogen and carbon oxides may be formed, Cyanide compounds may be formed.

- Reacts with water

**5.3. Advice for firefighters**

**Protective actions during firefighting:**

Avoid breathing fire gases or vapours, evacuate area and keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Fire in vicinity poses risk of pressure build-up and rupture.

Containers at risk from the fire should be cooled with water and if possible, removed from the danger area. Due to reaction with water producing CO<sub>2</sub> gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed.

Containers may burst if overheated. Reaction between water and hot isocyanate may be vigorous. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs notify appropriate authorities.

**Special protective equipment for firefighters:**

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face piece operated in positive pressure mode. Safety boots, gloves, safety helmet and protective clothing should be worn. Firefighters clothing conforming to European Standard EN469 will provide a basic level of protection for chemical incidents.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

- Avoid contact with water
- Do not allow product to come into contact with water or moisture
- Do not apply water to leaking containers
- Wash thoroughly after dealing with spillage
- Remove contaminated clothing
- Wear suitable protective clothing, eye/face protection

**6.2. Environmental precautions**

- Avoid release to the environment.
- Do not empty into drains
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

**6.3. Methods and material for containment and cleaning up**

- Absorb spillage in suitable inert material
- Clean spill site with detergent, avoid using solvents
- Place in appropriate container
- Remove contaminated material to safe location for subsequent disposal
- Ventilate area

**6.4. Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

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**SECTION 7: Handling and storage**

**7.1. Precautions on safe handling**

- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes.
- Do not eat, drink or smoke when using this substance.
- Wash contaminated clothing before reuse.
- Wear protective gloves/protective clothing/eye protection/face protection.

**7.2. Conditions for safe storage, including any incompatibilities**

- Keep container tightly closed, in a cool, well-ventilated place.
- Store in original packaging, in dry conditions.
- Keep away from water.

**7.3. Specific and uses**

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

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**SECTION 8: Exposure controls/personal protection**

**8.1. Occupational exposure controls**

Occupational exposure limits of the components:

Polymeric diphenylmethane diisocyanate, Polymeric MDI – CAS 9016-87-9:

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup> (NCO)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup> (NCO)

DNEL according to Regulation (EC) No. 1907/2006

Worker – Inhalation Acute local effects: 0.1 mg/m<sup>3</sup>

Worker – Inhalation Long-term local effects: 0.05 mg/m<sup>3</sup>

Worker – Inhalation Long-term systematic effects: 0.05 mg/m<sup>3</sup>

Worker – Dermal Acute systematic effects: 50 mg/kg/day

Worker – Dermal Acute local effects: 27.8 mg/kg/day

PNEC according to Regulation (EC) No. 1907/2006:

Fresh water: 1 mg/l

Marine water: 0.1 mg/l

Intermittent release: 10 mg/l

Sewage treatment plant: 1 mg/l

Soil: 1 mg/l

Abbreviations:

DNEL = Derived No Effect Level

NCO = Classified as an Isocyanate

PNEC = Predicted No effect Concentration

Sen = Substance has the capacity to cause occupational asthma

WEL = Workplace Exposure Limit

EH40/2005 Workplace Exposure Limits: Medical supervision of all employees who come in contact with respiratory sensitisers is recommended. Personnel with a history of asthma-type conditions, bronchitis or skin conditions should not work with MDI based products.

The OELs listed do not apply to previously sensitised individuals should be removed from any further exposure.

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## **8.2. Exposure controls**

### **Appropriate Engineering Controls:**

Provide adequate ventilation. Personnel, workplace or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

### **Personal Protective Equipment**

#### **Eye/Face Protection:**

Eyewear complying with EN 166 should be worn if a risk assessment indicates eye contact is possible. If an inhalation hazard also exists, a full-face respirator may be required instead.

#### **Hand protection:**

Chemical resistant, impervious gloves complying to European Standard EN 374 should be worn if a risk assessment indicates skin contamination is possible. Examples of gloves materials that might provide suitable protection include Butyl rubber (BR), Nitrile rubber (NR), Chloroprene rubber (Neoprene). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 60 minutes according to EN374) is recommended. Check during use that gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Frequent changes of gloves are recommended.

#### **Other skin and Body Protection:**

Personal Protective Equipment

#### **Eye/Face Protection:**

Eyewear complying with EN 166 should be worn if a risk assessment indicates eye contact is possible. If an inhalation hazard also exists, a full-face respirator may be required instead.

#### **Hand protection:**

Chemical resistant, impervious gloves complying to European Standard EN 374 should be worn if a risk assessment indicates skin contamination is possible. Examples of gloves materials that might provide suitable protection include Butyl rubber (BR), Nitrile rubber (NR), Chloroprene rubber (Neoprene). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 60 minutes according to EN374) is recommended. Check during use that gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Frequent changes of gloves are recommended.

#### **Other skin and Body Protection:**

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

#### **Respiratory Protection:**

Under normal use of the product respiratory protection should not be required. If a risk assessment indicates inhalation of contaminants is possible respiratory protection should comply with the approved standard. Ensure all respiratory protective equipment is suitable for its intended use and is CE Marked. Check that the respirator fits tightly and that the filter is changed regularly. Gas and combined filter cartridges should comply with European Standard EN 14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN 136. Half mask or quarter mask respirators with replaceable filter cartridges should comply with European Standard EN 140.

#### **Hygiene Measures:**

Provide eyewash station and safety shower, contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and work areas every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking, and using toilet. When using do not eat,

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drink, or smoke. Preventative industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

**8.3 Environmental exposure controls**

- Store in a well-ventilated place. Keep containers tightly sealed when not in use.
- Do not empty into drains; Dispose of the material and its container in a safe way.

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**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Brown.
<b>Flammability:</b>	Not flammable
<b>Flashpoint:</b>	>93°C
<b>PH</b>	Not available
<b>Solubility in water</b>	Insoluble in water
<b>Viscosity</b>	300 ± 75 mPa.s at 23°C
<b>Density:</b>	230°C CC (Closed cup).
<b>Boiling Point/Range</b>	>300°C (EC 905-805-4)
<b>Melting Point/Range</b>	<0°C (DIN 51556)

**9.2. Other information**

The safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

- Reacts with moist air or water

**10.2. Chemical stability**

The main removal mechanism of isocyanate-based products in the environment is hydrolysis. Isocyanate based products react quickly with water to form predominantly solid, insoluble polyurethane or polyurea. Under conditions typical of many types of environmental contact, i.e., with relatively poor dispersion of the denser isocyanate, the interfacial reaction leads to the formation of solid crust encasing partially or unreacted material. This crust restricts ingress of water and hence slows and modifies hydrolysis.

**10.3. Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose.

**10.4. Conditions to avoid**

- Keep away from heat, light and moisture.

**10.5. Incompatible materials**

- No hazardous reactions known if used for its intended purpose.

**10.6. Hazardous decomposition products**

- No hazardous decomposition products known.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Eye Irrit. 2 – Causes Serious eye irritation

Acute Tox. 4 – Harmful if inhaled

Resp. Sens. 1 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 3 – May cause respiratory irritation.

Carc. 2 – Suspected of causing cancer

STOT RE 2 – May cause damage to organs through prolonged or repeated exposure.

Toxicological data for the components:

<b>Polymeric diphenylmethane diisocyanate, Polymeric MDI CAS 9016-87-9</b>	
<b>Acute dermal toxicity</b>	LD50: ≤9400 mg/kg Species: Rabbit Method: OECD Test 402
<b>Carcinogenicity:</b>	Species: Rat Application Route: Inhalation (aerosol) NOAEC: 0.2 mg/m3 air toxicity Exposure Time: 2 years, 6 hours per day, 5 days per week. Method: OECD Test 453
	Species: Rat Application Route: Inhalation (aerosol) NOAEC: 1.0 mg/m3 air carcinogenicity Exposure Time: 2 years, 6 hours per day, 5 days per week. Method: OECD Test 453
	Species: Rat Application Route: Inhalation (aerosol) NOAEC: 6.0 mg/m3 air carcinogenicity Exposure Time: 2 years, 6 hours per day, 5 days per week. Method: OECD Test 453
<b>STOT – single exposure</b>	Species: Rat Application Route: Inhalation (aerosol) NOAEC: 6.0 mg/m3 air carcinogenicity Exposure Time: 2 years, 6 hours per day, 5 days per week. Method: OECD Test 453

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**SECTION 12: Ecological information**

**12.1. Toxicity**

Not Classified.

**Polymeric MDI**

LC50 (fish): 1000 mg/l (96 hr)

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

This product is not miscible with water and reacts to form a solid long chain polyurethane. Based on this it is unlikely to present a risk for mobility.

**12.5. Results of PBT and vPvB assessment**

Not Classified.

**12.6. Other adverse effects**

No hazardous reactions known if used for its intended purpose.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

- Disposal can be a hazardous operation, seek specialist advice
- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Waste should not be confined

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**SECTION 14: Transport information**

**14.1 UN number or ID number**

UN No. Not applicable

**14.2 UN proper shipping name**

Proper shipping Name: Not applicable

**14.3 Transport hazard class(es)**

Hazard Class: Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**



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Not Classified

**14.6 Special precautions for user**

Always transport in closed containers that are upright and secure. Ensure that the person transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II or Marpol and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

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

- The COSHH Regulations apply in the UK
- This Safety Data Sheet is provided in compliance with the Health and Safety at Work Act

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**SECTION 16: Other information**

**Text not given with phrase codes where they are used elsewhere in this safety data sheet:**

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H373: May cause damage to organs through prolonged or repeated exposure.

**Hazard Statements In Full**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer.
- H360D: May damage unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure.

Full test of EU H-Statements referred to under section 2 &3:

EUH204: Contains isocyanates. May produce an allergic reaction.

Full list of GHS P Statements

Prevention:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P260: Do not breath dust/fumes/gas/mist/vapours/spray.
- P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P264: Wash skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P302+352: IF ON SKIN: Wash with plenty of water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P308+313: If exposed: Call a POISON CENTER or doctor/physician

P312: Call a POISON CENTER or doctor/physician.

P314: Get medical advice/attention if you feel unwell.

P321: Specific treatment (see medical advice on this label).

P332+313: If skin irritation occurs: Get medical advice/attention.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/ attention.

P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P362+364: Take off contaminated clothing and wash if before reuse.

P363: Wash contaminated clothing before reuse.

**Storage:**

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/containers in accordance with national regulations.

*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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**SAFETY DATA SHEET – Part.3**

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**

<b>Product Name</b>	Magma SkidGrip X348 Kit Bauxite
<b>Product Inclusion</b>	Part.3 of this document covers Magma SkidGrip X348 Kit Aggregate Bauxite only.
<b>Container Size</b>	NA

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

<b>Identified Uses</b>	Refractory raw material, road surfacing aggregate, welding.
<b>Uses advised against</b>	No specific uses advised against are identified.

**1.3. Details of the supplier of the safety data sheet**

<b>Supplier</b>	Meon Ltd. Railside Northharbour Spur Portsmouth PO6 3TU +44 (0) 23 9220 0606 mail@meonuk.com
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**1.4. Emergency Telephone Number**

<b>Emergency telephone</b>	+44 (0) 808 118 1922
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**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, (GB CLP).**

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, (GB CLP).**

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**



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**Hazard statements**

H351, Carc. 2 – Substance is suspected of causing cancer.

**Precautionary statements**

**Prevention:** Ensure all safety precautions have been read and understood; wear protective gloves, eye protective goggles and clothing.  
**Response:** In case of exposure seek medical attention.  
**Storage:** Store substance in a suitable seal proof container.  
**Disposal:** Dispose of substance in accordance with local / national regulations.

**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](http://www.crystallinesilica.eu) .

**SECTION 3: Composition/information on ingredients**

SUBSTANCE [ ] MIXTURE [X]

**Substance/mixture: Multi constituent substance**

Ingredient	EC No: Cas No:	Classification	Concentration	Type
Bauxite(*)	296-579-9 92797-42-7	Not classified	100%	[*]
Aluminium Oxide(A)	215-691-6 1344-28-1	Not classified	>85%	[A]
Quartz(SiO2)(B)	238-878-4 14808-60-7	Not classified	<10%	[B]
Titanium oxide(B)	236-675-5 13463-67-7	GHS08 Wng  H351 Carc. 2	<5%	V, W, 10
Diiron trioxide(B)	215-168-2 1309-37-1	Not classified	<3%	[B]

**Other Information**

None.

[\*] Substance

[A] Constituent

[B] Impurity

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

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**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** Use an extinguishing agent suitable for the surrounding fire.
- Extinguishing media which must not be used for safety reasons** 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 self-contained 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.

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**SECTION 6: Accidental release measures**

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**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.

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**SECTION 7: Handling and storage**

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**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 user available.

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**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 dust goggles.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling 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

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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**

<b>Physical state</b>	Solid {powder, granular particles or aggregate}
<b>Colour</b>	Yellow/ Beige/ Grey
<b>Odour</b>	Odourless
<b>Melting point/freezing point</b>	>2000°C
<b>Relative density</b>	>3.1g/cm <sup>3</sup>
<b>Solubility(ies)</b>	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		

<b>Sensitiser</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>STOT SE</b>	Not available.
<b>Aspiration hazard</b>	Routes of entry anticipated. Oral, inhalation
<b>Potential acute health effects</b>	No known significant effects or critical hazards.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	No known significant effects or critical hazards
<b>Delayed and immediate effects and also chronic effects from short and long term exposure</b>	Not available.
<b>Potential chronic health effects</b>	Not available



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**SECTION 12: Ecological information**

**12.1. Toxicity**

Ingredient	Result	Species	Exposure
Titanium dioxide	Acute EC50 5.83mg/l Fresh water	Algae-Pseudokirchneriella Subsantita-Exponential growth phases	72h
	Acute EC50>10mg/l Fresh water	Daphnia-Daphnia magna<24hours	48h
	Acute LC50 5.5ppm Fresh water	Daphnia-Daphnia magna- Juvenile(Fledging,hatchling,weanling)<24h	48h
	Acute LC50> 10mg/l Marine water	Fish-Fundulus hetteroclitus	96h
	Chronic NOEC 1 ppm Fresh water	Daphnia-Saphnia magna – Juvenile(Fledging,hatchling,weanling)<24h	48h
	Chronic NOEC 500ppm Fresh water	Daphnia-Saphnia magna – Juvenile(Fledging,hatchling,weanling)<24h	48h

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.

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**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

Blacklist Chemicals: Not listed

Priority List Chemicals: Not listed

Integrated pollution prevention: Not listed

and control list (IPPC)- Air

Integrated pollution prevention: Not listed

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/l Grams per liter

mg/kg Milligrams per kilogram

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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.*