



SAFETY DATA SHEET

Date of issue: July 2nd 2018
Trade name: MagnetPaint
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SECTION 1: Identification of the substance/mixture and of the company/undertaking.

1.1. Product identifier

Trade name: **MagnetPaint**
Synonym: MagnetFarbe – MagneetVerf

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

A (part of a) wall painted with MagnetPaint can be painted over with any common type of paint in any colour, or can be wallpapered (only use Neodymium magnets). The painted surface attracts magnets so that objects can be flexibly attached.

Product category: PROC19 (Hand-mixing),
PROC10 (Roller application or brushing).

1.3. Details of the supplier of the safety data sheet

Manufacturer/supplier: MagPaint Europe B.V.
Riezenweg 2
7071 PR Uift
THE NETHERLANDS
Tel.: +31 (0) 315 38 64 73
Email: info@magpaint.com
Website: www.magpaint.com

Further information obtainable from

Contact person: Mike Poorthuis
Tel.: +31 (0) 315 38 64 73
Email: info@magpaint.com
Working hours (business days): 09h00-17h00

1.4. Emergency telephone number

The Netherlands: Nationaal Vergiftings Informatie
Centrum (NVIC): +31 (0) 30 247 88 88
Belgium: Belgian Poison Centre: +32 (0) 70 245 245
United Kingdom: UWIC: +44 (0) 29 204 16388

SECTION 2: Hazards identification.

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) no 1272/2008
Void.

2.2. Label elements

Hazard pictograms: -
Signal word: -
Hazard statements: -
Precautions: -

Classification in accordance with Directive 67/548/EEC or Directive 1999/45/EC
Void.



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Label elements	
Hazard symbols:	-
Classification of the labelling:	-
Risk phrase(s):	-
Safety advice:	-
Hazard-determining components for labelling:	-
2.3. Other hazards	-
Results of PBT and vPvB assessment	
PBT:	No.
vPvB:	No

SECTION 3: Composition/information on ingredients.

3.1. Substances

Not applicable.

3.2. Mixtures

Chemical description: Preparation comprising the following component(s), water base and (other) unclassified components.

Iron oxide

CAS#: 1309-38-2

EC#: 215-169-8

Index#: -

REACH reg.#: -

Content (W/W): 60 - 80 %

Danger, 1272/2008/EC: -

Note: Respirable crystalline silicon can be present in concentrations <1% (SWERF method, www.crystallinesilica.eu).

Titanium dioxide

CAS#: 13463-67-7

EC#: 236-675-5

Index#: -

REACH reg.#: 01-2119489379-17

Content (W/W): 1 - 5 %

Danger, 1272/2008/EC: -

Full text of H- and EUH-phrase(s): see section 16.

SECTION 4: First aid measures.

4.1. Description of first aid measures

General information: If in doubt or if symptoms persist, seek medical attention.



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Eye contact:	Mild irritation, mechanical damage. Flush eyes thoroughly with water (for at least 10 minutes) while holding eyelids open. Then immediately consult a physician/ophthalmologist.
Skin contact:	Remove mechanically, wash with plenty of soap and water, liberally apply skin cream to clean skin. Consult a physician in case of persistent pain or redness.
Ingestion:	Rinse mouth with water and give two glasses of water to drink (Never make an unconscious person drink fluids because of risk of suffocation). Do NOT induce vomiting. If symptoms develop: Get medical advice/attention.
If aerosol or vapour is inhaled in high concentrations:	Take the person into the fresh air, keep him warm, let him rest. If symptoms occur (e.g. breathing difficulties) medical attention is required.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	No known significant effects or critical hazards. Sanding dust of reacted material may cause irritation of respiratory tract.
Skin contact:	By mechanical damage (particles): redness, irritation.
Eye contact:	By mechanical damage (particles): serious eye irritation, redness and pain. Solid dust particles may damage the cornea.
Ingestion:	Irritation, harmful, stomach aches, diarrhoea, nausea, organ damage.
4.3. Indication of any immediate medical attention and special treatment needed	
Further medical treatment:	Symptomatic treatment and supportive therapy as prescribed.

SECTION 5: Firefighting measures.

5.1. Extinguishing media

Suitable extinguishing media: Use CO₂, ABC powder. Fight larger fires with water spray.
Unsuitable extinguishing media for safety reasons: Direct water stream may be ineffective.

5.2. Special hazards arising from the substance or mixture

Special hazards: Not classified as flammable. In case of fire, hazardous and toxic vapours may be released. Possible decomposition products are: carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

Protection of fire-fighters: For fire-fighters, mouth and nose protection with independent air supply (breathing apparatus) and full (chemical) protective clothing are mandatory. Use qualified personnel who are well aware of the dangers of this product. After use, clean the equipment thoroughly (shower, clean clothing thoroughly and check suitability).

Additional information: If closed containers are exposed to fire, keep cool with water.

SECTION 6: Accidental release measures.

6.1. Personal precautions, protective equipment and



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emergency procedures	Wear appropriate personal protective equipment, including safety glasses, personal protective clothing and chemical resistant gloves when cleaning up major spillages. Ventilate the area.
6.2. Environmental precautions	Prevent product from entering sewers or surface water. If significant quantities are being released in the environment, inform the local authorities. Do not allow to enter the soil or subsoil.
6.3. Methods and material for containment and cleaning up	Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container. Wash the spillage area clean with water and detergent.
6.4. Reference to other sections	Information regarding safe handling – see section 7. Information regarding personal protective equipment – see section 8. Information regarding disposal – see section 13.

SECTION 7: Handling and storage.

7.1. Precautions for safe handling

Handling:

When handling observe the usual precautionary measures for chemicals. Do not breathe vapour. Workers should wash hands and face before eating, drinking and smoking. Material contains metal particles as filler; mix carefully before use. Do not dilute or mix with other (paint) products.

Information about fire - and explosion protection: No specific requirements

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed in a cool, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight. Avoid moisture from entering by keeping the containers tightly closed when not in use.

Requirements to be met by storerooms and receptacles: Preferably keep in the original packaging.

Suitable packaging material:

Original packaging. Closed, coated tin or plastic can.

Suitable material for tanks and pipelines: Stainless steel, coated steel, polyethylene.

Information about storage in one common storage facility: Keep away from oxidants, strong bases and acids.

Further information about storage conditions: Recommended storage temperature 1 - 49 °C.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection.

8.1. Control parameters.

Ingredients with limit values that require monitoring at the workplace:



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Product information: CAS#: 13463-67-7	Titanium dioxide	
TWA 8 h	mg/m ³ (ppm)	10 (-) formerly Dutch value, France, England, Belgium, Spain 6 (-) Denmark 5 (-) Norway, Austria, Sweden 3 (-) Switzerland
TWA 15 minutes		10 (-) Austria

Dangerous ingredients with DN(M)EL:				
Product information: Titanium dioxide CAS#: 13463-67-7	Exposure	Value	Unit	Population / Effects
DN(M)EL	Short-term dermal	-	mg/kg bw/day	Workers Local
DN(M)EL	Short-term inhalation	-	mg/m ³	Workers Local
DN(M)EL	Short-term dermal	-	mg/kg bw/day	Workers Systemic
DN(M)EL	Short-term inhalation	-	mg/m ³	Workers Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Workers Local
DN(M)EL	Long-term inhalation	10	mg/m ³	Workers Local
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Workers Systemic
DN(M)EL	Long-term inhalation	-	mg/m ³	Workers Systemic
DN(M)EL	Short-term dermal	-	mg/kg bw/day	General population Local
DN(M)EL	Short-term inhalation	-	mg/m ³	General population Local
DN(M)EL	Short-term dermal	-	mg/kg bw/day	General population Systemic
DN(M)EL	Short-term inhalation	-	mg/m ³	General population Systemic
DN(M)EL	Short-term Oral	-	mg/kg bw/day	General population Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	General population Systemic
DN(M)EL	Long-term inhalation	-	mg/m ³	General population Systemic
DN(M)EL	Long-term oral	700	mg/kg bw/day	General population Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	General population Local

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DN(M)EL	Long-term inhalation	10	mg/m ³	General population Local
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Dangerous ingredients with PNEC:			
Product information:	Value	Unit	Compartment
Titanium dioxide CAS#: 13463-67-7			
PNEC	0.127	mg/l	Fresh water
PNEC	1	mg/l	Marine water
PNEC	0.61	mg/l	Intermittent releases
PNEC	100	mg/l	STP (sewage treatment plant)
PNEC	1000	mg/kg dwt	Sediment fresh water
PNEC	100	mg/kg dwt	Sediment marine water
PNEC	100	mg/kg wwt	Soil
PNEC	1667	mg/l	Oral

8.2. Exposure controls

Personal protection:

Do not smoke, eat or drink whilst working. Wear suitable protective clothing (preferably cotton).

Mouth and nose protection:

Required in insufficiently ventilated working areas. Wear suitable autonomous breathing apparatus in case of insufficient ventilation or if required by company regulations.

Skin and body:



Wear suitable protective clothing (overalls, preferably thick cotton or disposable protective suit), gloves and eye/face protection. Wash hands before breaks and at the end of work. Remove immediately all contaminated clothing. Store working clothes separately. Do not use solvents or thinner.

Hands:



Wash hands before breaks and at the end of work. Wear protective gloves if skin contact may occur (EN 374). Selection of the glove material on consideration of the penetration times, rates of diffusion and degradation (e.g. nitrile rubber, minimum layer thickness: 0.4 mm, butyl rubber (0.7 mm) or PVC (0.7 mm), for breakthrough time > 480 minutes, level 6). Do not rub eyes with dirty hands.

Eyes:



Safety goggles with side-shields (EN 166). Eye shower.

Measuring procedures:

In order to establish compliance with an exposure limit and to establish that exposure is properly controlled, it may be necessary to determine the concentration of the substances in the inhalation zone or in the general workspace.

Environmental exposure control:

Do not disperse product residues into the environment.

SECTION 9: Physical and chemical properties.

9.1. Information on basic physical and chemical properties

General information

Appearance

Form: Liquid (highly viscous).



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Colour:	Dark grey.
Odour:	Slightly irritant.
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/melting range:	Not determined.
Initial boiling point and boiling range:	Not determined.
Flash point:	> 100 °C.
Flammability (solid, gas):	Not determined.
Auto-ignition temperature:	Not determined.
Explosive limits	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Relative density:	2.4 (water = 1).
Solubility in/miscibility with water:	Freely soluble.
Partition coefficient (n-octanol/water):	Not determined.
Decomposition temperature:	Not determined.
Viscosity	
Dynamic:	Not determined.
Kinematic:	135 KU at 25 °C (Stormer viscometer, ASTM Method D-562).
Explosive properties:	Not determined.
Oxidising properties:	Not determined.
9.2. Other information	
VOC content:	No VOC.

SECTION 10: Stability and reactivity.

10.1. Reactivity	No specific data available.
10.2. Chemical stability	Stable under normal conditions.
Thermal decomposition/ Conditions to avoid:	No specific data available.
10.3. Possibility of hazardous reactions	No specific data available.
10.4. Conditions to avoid	Avoid high and low temperatures (loss of quality).
10.5. Incompatible materials	Keep separate from oxidizing agents, strong bases and acids.
10.6. Hazardous decomposition products	Unlikely at the recommended storage temperature and under normal conditions of use. In case of combustion: formation of toxic and corrosive gases/vapours: carbon monoxide, carbon dioxide, fume.

SECTION 11: Toxicological information.



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11.1. Toxicology information

Acute toxicity.

LD/LC50 values relevant for classification:

Product information: CAS#: 13463-67-7	Titanium dioxide	
Oral	LD50	> 5000 mg/kg (rat female, OECD425)
Inhalation	LC50 (4 h)	6.82 mg/m ³ (rat male)
Dermal	LD50	-

The following health risk assessment is based on an assessment of the various ingredients in the product.

Primary irritant effect.

Effects on the eyes: By mechanical damage (particles): irritation, serious eye irritation, redness and pain. Solid dust particles may damage the cornea.

Effects on the skin: By mechanical damage (particles): redness, irritation.

Chronic effects: Not classified.

Mutagenicity of reproductive cells: Not classified.

Reproductive and developmental toxicity: Not classified.

Sensitisation: Not classified.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Not classified. See section 15.

Other information: No further relevant information available.

SECTION 12: Ecological information.

12.1. Toxicity

Ecotoxicity from the components.

Aquatic toxicity:

Product information: CAS#: 13463-67-7	Titanium dioxide	
Fish	LC50 (96 h)	> 10,000 mg/l (Cyprinodon variegatus, OECD 203)
Water flea	EL50 (48 h)	> 100 mg/l (Daphnia magna, OECD 202)
Algae	EC50 (72 h)	61 mg/l (Pseudokirchnerella subcapitata, EPA-600/9-78-018)

The following ecological risk assessment is based on an assessment of the various ingredients in the product.

12.2. Persistence and degradability Contains inorganic components.

12.3. Bioaccumulative potential Significant accumulation in organisms is not to be expected.

12.4. Mobility in soil The product is (partially) soluble in water.

Further ecological information.

General information: -



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12.5. Results of PBT and vPvB assessment

The product does not meet all of the assessment criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

12.6. Other adverse effects

Not dangerous for the ozone layer.

SECTION 13: Disposal considerations.

13.1. Waste treatment methods

Product waste:

May be brought to a supervised incineration plant in compliance with local regulations. The generation of waste should be avoided or minimised wherever possible. If this is not possible, destroy in an approved incineration facility, where flue gases and other toxic combustion products are washed and neutralised. Waste, even small quantities, should never be poured down drains or discharged in surface water.

Eural code for waste:

08 01 12. WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS, wastes from MFSU of adhesives and sealants (including waterproofing products); waste paint and varnish other than those mentioned in 08 01 11.

Depending on branch of industry and production process, also other EURAL codes may be applicable.

Uncleaned packaging.

Recommendation:

Disposal must be made according to official regulations. Empty the packaging with care. Do not contaminate soil, water or environment with the waste container. Comply with local regulations with regard to the recovery or disposal of waste.

Eural code for packaging:

20 01 27*. MUNICIPAL WASTES AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDING SEPARATELY COLLECTED FRACTIONS, paints, inks, adhesives and resins containing dangerous substances. Classified as hazardous waste.

SECTION 14: Transport information.

Land transport ADR/RID (cross-border).

ADR/GGVSEB class: -
Hazard identification number: -
UN number: -
Packing group: -
Label: -
Special marking: -
UN proper shipping name: -
Tunnel restriction code: -



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Note:	Not a dangerous good according to the transport regulations.
Inland shipping ADN/ADR.	
ADN/R-class:	-
UN number:	-
Environmental hazards:	-
Maritime transport IMDG.	
IMDG-class:	-
UN number:	-
Label:	-
Packing group:	-
Maximum quantity:	-
EMS number:	-
Stowage and segregation:	-
Marine pollutant:	-
Proper shipping name:	-
Air transport ICAO-TI and IATA-DGR.	
ICAO/IATA-class:	-
UN number:	-
Label:	-
Packing group:	-
Proper shipping name:	-
14.1. UN number	Void.
14.2. UN proper shipping name	Void.
14.3. Transport hazard class(es)	Void.
14.4. Packing group	Void.
14.5. Environmental hazards	Void.
14.6. Special precautions for user	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Void.

SECTION 15: Regulatory information.

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

National regulations:

EN 71-3:

Safety of toys. Reacted material complies with this standard, avoid damage in the form of scratches due to the potential release of particles. Migration of certain elements (test report 0533/3220, Eurofins Scientific/test report 007.64082/01.01 TNO Industry). Material contains less than 1.5 mg/kg of lead and less than 0.1 mg/kg of cadmium.



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EU regulations and directives which affect this mixture (not yet directly or indirectly mentioned):	
Directive 89/686/EEC	Personal protective equipment (is to be replaced from 21 April 2018 by regulation (EU) 2016/425).
Directive 98/24/EC	Risks related to chemical agents at work.
Directive 2004/42/EC	On the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes. VOC content: nil/low.
RAC	Committee for Risk Assessment RAC Opinion proposing harmonised classification and labelling at EU level of Titanium dioxide (14 September 2017, CLH-O-0000001412-86-163/F, RAC opinion Carc.2; H351 (inhalation)).
Regulation (EC) 2008/1272	On classification, labelling and packaging of substances and mixtures.
Regulation (EU) 2015/830	Commission regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
15.2. Chemical safety assessment	A chemical safety assessment has not been carried out.

SECTION 16: Other information.

List of relevant H- and EUH-phrase(s) referred to under headings 2 and 3:
Void.

Document history:

Printed on:	2 July 2018.
Previous edition:	January 5 th 2018, version 4.1.
Version:	4.2.
Modification:	Update of Section 9.

Information source: -

Classification according to Regulation (EC) No 1272/2008: -

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties. It is the obligation of the user to use this product with care and to act in consideration of the applicable laws and legislation.

Magnet Paint is a trademark of MagPaint Europe B.V.

Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association



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IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
P:	Marine Pollutant
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC50:	Half maximal effective concentration
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
OEL:	Occupational Exposure Limit
NOEC:	No Observed Effect Concentration
vPvB:	Very Persistent and Very Bioaccumulative
PBT	Persistent, Bioaccumulative and Toxic substance
EWC:	European Waste Catalogue
TWA:	Time-Weighted Average, limit value associated with the MAC value
DNEL:	Derived No-Effect Level
DMEL:	Derived Minimal Effect Level
PNEC:	Predicted No-Effect Concentration