



SAFETY DATA SHEET

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

Product identifier

Trade name: **MagPlaster**
Synonym: Magnetflächenspachtel – Magnet Plaster

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

Use of the Substance/Mixture MagPlaster is a high quality indoor decorative plaster for a smooth wall finish with magnetic properties. One layer Magnet Plaster has more magnetic force than three layers standard magnetic paint.
A (piece of) a wall that is covered with Magnetic Plaster can be painted with any common type of paint in any color, or can be wallpapered.

Recommended restrictions on use: Within adequate application – none.

Details of the supplier of the safety data sheet

Manufacturer/supplier: MagPaint Europe B.V.
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7071 PR Uft
THE NETHERLANDS
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Further information obtainable from

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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.

Classification of the substance or mixture
Classification in accordance with Regulation (EC) no 1272/2008
Void.

Label elements and precautionary statement

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



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Precautions: -

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

Label elements

Hazard symbols: -

Classification of the labelling: -

Risk phrase(s): -

Safety advice: -

Hazard-determining components for labelling: -

Other hazards: -

Results of PBT and vPvB assessment

PBT: No.

vPvB: No

SECTION 3: Composition/information on ingredients.

Chemical characterization: Mixture.

Description: Contains among others magnetite and titanium dioxide.

Hazardous substances (and supporting material).

Magnetite (Fe₃O₄); black iron oxide

CAS#: 1309-38-2
EC#: 215-169-8
Index#: -
REACH reg.#: -
Content (W/W): 50 - 70 %
Danger:
1999/45/EC: -
1272/2008/EC: -

Titanium dioxide

CAS#: 13463-67-7
EC#: 236-675-5
Index#: -
REACH reg.#: 01-2119489379-17
Content (W/W): 5 - 10 %
Danger:
1999/45/EC: -
1272/2008/EC: -

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



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SECTION 4: First aid measures.

Description of first aid measures

General information:	If in doubt or if symptoms persist, seek medical attention.
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.
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.
Further medical treatment:	Symptomatic treatment and supportive therapy as prescribed.

SECTION 5: Firefighting measures.

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.

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.

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.



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SECTION 6: Accidental release measures.

Personal precautions:	Wear appropriate personal protective equipment, including safety glasses, personal protective clothing and chemical resistant gloves when cleaning up major spillages. Ventilate the area.
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.
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.
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.

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.
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.
	Packaging material, suitable: Original container, coated can, stainless steel, polyethylene.
	Packaging material, unsuitable: -
	Storage temperature: 1 - 49 °C.
Specific end use(s):	No further relevant information available.

SECTION 8: Exposure controls/personal protection.

Control parameters.

Ingredients with limit values that require monitoring at the workplace:



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Product information: 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 10 (-) Austria 3 (-) Germany		
TWA 15 minutes				

Dangerous ingredients with DN(M)EL:				
Product information: 13463-67-7 Titanium dioxide	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
DN(M)EL	Long-term	10	mg/m ³	General



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	inhalation			population Local
Dangerous ingredients with PNEC:				
Product information: 13463-67-7 Titanium dioxide	Value	Unit	Compartment	
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	

Exposure controls.


Personal protection:

Mouth and nose protection:


Skin and body:



Hands:



Eyes:



Measuring procedures:

Environmental exposure control:

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

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

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.

Wash hands before breaks and at the end of work. Wear protective gloves if skin contact may occur (EN 374). Do not rub eyes with dirty hands.

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

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.

Do not disperse product residues into the environment.

SECTION 9: Physical and chemical properties.

Information on basic physical and chemical properties.

State of aggregation: Liquid.
Colour: Dark grey.
Odour: Slightly irritant.
Odour threshold: No data available.
pH: Not determined.
Melting point/melting range: Not determined.
Boiling point/boiling range: No data available.
Flash point: > 100 °C.



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Evaporation rate:	No data available.
Flammability	
(solid, gas):	No data available.
Explosion limits:	No data available.
Vapour pressure:	Not determined.
Vapour density:	No data available.
Relative density:	2.47 (water = 1).
Solubility in water:	Freely soluble.
Partition coefficient	
(n-octanol/water):	Not determined.
Auto-ignition	
temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity at 25 °C:	Not determed (highly viscous).
Other information:	No data available.

SECTION 10: Stability and reactivity.

Reactivity:	No specific data available.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No specific data available.
Conditions to avoid:	Avoid high and low temperatures (loss of quality).
Incompatible materials:	Keep away from oxidants, strong bases and acids.
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.

Toxicology information		
Acute toxicity.		
LD/LC50 values relevant for classification:		
Product information: 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	



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Effects on the skin:	irritation, redness and pain. Solid dust particles may damage the cornea. 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.
Other information:	No further relevant information available.

SECTION 12: Ecological information.

Toxicology information
Ecotoxicity.
Aquatic toxicity:

Product information: 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.

Behaviour in environmental systems.

Persistence and degradability:	Contains magnetite and titanium dioxide (inorganic).
Bioaccumulative potential:	Significant accumulation in organisms is not to be expected.
Mobility:	The product is (partially) soluble in water.

Further ecological information.

General information:	Water hazard class (NL): 10 Low toxicity to aquatic organisms; may cause long-term effects in the aquatic environment. Water hazard class 1 (German Regulation) (Self-assessment): hazardous for water, small. Not to reach ground water, water course or sewage system.
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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.

Other adverse effects:	Not dangerous for the ozone layer (1999/45/EC).
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SECTION 13: Disposal considerations.

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:	-
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:	-



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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:	-
Environmental hazards:	Void.
Special precautions for user.	
Warning:	Void.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	
	Void.

SECTION 15: Regulatory information.

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

National regulations:

Denmark: MAL-code: 00-1.

EU regulations and directives which affect this mixture (not yet directly or indirectly mentioned):

Directive 78/176/EEC Waste from the titanium dioxide industry.

Directive 82/883/EEC Monitoring of environments concerned by waste from the titanium dioxide industry.

Directive 89/686/EEC Personal protective equipment.

Directive 92/112/EEC Harmonising the programmes for the reduction and eventual elimination of pollution caused by waste from the titanium dioxide industry.

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 / very low.

Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information.

List of relevant R-, H- and EUH-phrases referred to under headings 2 and 3:

Void.



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	Modification:	-

Information source: -

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.

Safety data sheet according regulation (EC) No 1907/2006 of the European parliament and of the Council from 18 December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (REACH).

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
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)
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
TGG:	Time Weighted Average, limit corresponding to the MAC value
DNEL:	Derived no-effect level
DMEL:	Derived Minimal Effect Level
PNEC:	Predicted no-effect concentration

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