



SAFETY DATA SHEET

Date of issue: 18 April 2008, version 5
Commercial product name: MagnetPaint
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1. Identification of the substance / preparation and the company.

Product name and code: **MagnetPaint**
Material uses: Water based dispersion paint for indoor use.
Identification company: MagPaint Europe B.V.
Elsterweg 3a
NL – 7076 AZ Veldhunten
THE NETHERLANDS
Telephone: (31) 315-386473
Telefax: (31) 315-386480
E – mail: info@MagPaint.com
Emergency telephone number: (24 hour), (31)30 – 2748888, only for the doctor.
Vergiftiging informatie centrum Utrecht, The Netherlands.

2. Composition / information on ingredients.

Substance / preparation:	Preparation.			
Ingredient	% weight	danger	CAS#	EG#
<i>Titanium dioxide</i>	1-5	-	13463-67-7	236-675-5

3. Hazard identification.

The preparation is not classified as dangerous according to Directive 1999/45/EC or Directive 67/548/EEC and its amendments.

4. First – aid measures.

Eye contact: Slightly irritating. Contamination of the eyes must be treated by thorough irrigation with water for 10 minutes, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.

Skin contact: Remove contaminated clothing. Remove mechanically and wash off with plenty of soap and water, carefully apply cream to clean skin. If symptoms develop, obtain medical attention.

Swallowing: Provided the patient is conscious, wash out mouth with water. DO NOT induce patient to vomit. Do not swallow. If symptoms develop, obtain medical attention.

If aerosol or vapour is inhaled in high concentrations: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing, medical advice is required.

Further medical treatment: Symptomatic treatment and supportive therapy as indicated.



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5. Fire – fighting measures.

Extinguishing media suitable: CO₂, foam, dry powder, in case of larger fires, water spray should be used. Prevent washings from entering watercourses.

Unusual fire / explosion hazards: Not classed as flammable. If involved in a fire, it may emit noxious and toxic fumes. Combustion products may include: carbon monoxide and carbon dioxide. The reacted material can influence a fire.

Protection of fire-fighters: Fire - men have to wear self - contained breathing apparatus. 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).

6. Accidental release measures.

Personal precautions: People dealing with major spillages should wear protective clothing including splash goggles, a full suit, boots, gloves and respiratory protection. Ventilate the area.

Environmental precautions: Do not discharge into drains, sewers, watercourses or the environment.

Clean up methods: Absorb spillages onto sand, earth or any suitable adsorbent material. The waste product can then be disposed of an approved landfill or a special refuse dump. Transfer to a disposal. Wash the spillage area clean with water and detergent.

7. Handling and storage.

Handling: When handling observe the usual precautionary measures for chemicals. Do not breathe vapour / spray. Contain solid material, stir before use. Do not mix or blend with other (paint) products. Material is fit for indoor use on ceilings and walls. Keep the concentration of the damp below the Occupational Exposure Limits as listed. The gas is heavier than air, keep away from small rooms and deep lying drains.

Storage: Keep container tightly closed and dry. Prevent product temperatures above 35 °C and below 5 °C. Keep away from direct sunlight. Avoid ingress of moisture by keeping containers properly sealed when not in use.

Suitable storage material: Coated steel or PE;
Storage temperature: Recommended storage temperature 20 ± 5 °C.



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8. Exposure controls / personal protection.

Ingredient name Occupational exposure limits UK

Titanium dioxide (UK, 1979)
1 – 5 % in the recipe. TWA: 10 mg / m³, 8 h

Personal protective equipment: Do not smoke, eat or drink whilst working. Wear suitable protective clothing (preferable heavy cotton).

Respiratory protection: Suitable respiratory equipment with positive air supply should be used in cases of insufficient ventilation or where operational procedures demand it.

Skin and body:



Overall (preferably heavy cotton) or disposable coverall. Take off immediately all contaminated clothing. Contaminated clothing should be thoroughly cleaned before re – use. Keep working clothes separate. Do not add solvents or thinner.

Hands:



Wash hands before breaks and at the end of work. Protective gloves should be worn when handling with the not fully reacted product. The reacted material satisfies to the BS EN 71-3 (Safety of toys), prevent damage in the form of scratches because of iron particles that are possibly set free.

Eyes:



Chemical safety glasses. Eye - wash.



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9. Physical and chemical properties.

General information.

Appearance: Liquid.
Colour: Grey.
Odour: Slightly characteristic.

Important health, safety and environmental information.

pH: Not applicable.
Boiling point: ± 100 °C.
Flash point: > 61 °C.
Explosive properties: Not explosive.
Vapour pressure: Not available.
Relative density: 2,62 ($\pm 0,1$) at 25 °C (water = 1).
Solubility in water: Partly soluble in water.
Viscosity: Not available, contains solids, stir before use.
Vapour density: > 1 (Air = 1).
Evaporation rate: < 1 (Ether = 1).
Drying time: 4 hours at 20 °C and 50 % relative humidity.

10. Stability and reactivity.

Stability: Stable at room temperature. Reaction with water (moisture), this reaction becomes progressively more vigorous at higher temperatures and if its supported by stirring.

Conditions to avoid: Avoid high and low temperatures.

Materials to avoid: Strong oxidisers, water, bases and strong acids.

Hazardous decomposition products: Unlikely under normal industrial use and at operating temperatures.



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11. Toxicological information.

Acute toxicity from the components:

Ingredient name	Test	Result	Route	Species
Titanium dioxide (< 5 %)	LD ₅₀	> 10.000 mg / kg	Oral	Rat
Titanium dioxide (< 5 %)	LD ₅₀	> 10.000 mg / kg	Dermal	Rabbit
Titanium dioxide (< 5 %)	LC ₅₀	> 6,6 mg / m ³ , 4 h	Inhalation	Rat

This health hazard assessment is based on information of the components.

Effects on the eyes: Causes slight temporary reddening and swelling of the conjunctiva and slight reversible clouding of the cornea. Solids could damage the cornea.
Effects on the skin: In case of longer contact with skin, tanning and irritating effects are possible.
Effect on the respiratory organs: This product is possible respiratory irritant: inhalation of vapour or aerosol at levels above the occupational exposure limit could lead to harmful effects.
Ingestion: Ingestion may cause irritation of the gastrointestinal tract, diarrhoea or vomiting.

The cured material meets the needs of the norm BS EN 71-3: Safety of toys. Specification for migration of certain elements (test report 0533/3220, Eurofins Scientific / test report 007.64082/01.01 TNO industrie).

Material contains less than 1,5 mg / kg of lead and less than 0,1 mg / kg of cadmium.

12. Ecological information.

Mobility: No data.
Persistence / degradability: Contains titanium dioxide and iron, which are non-biological degradable.
Bioaccumulation: No data.
Ecotoxicity other: No data.

Preparation contains no volatile organic compounds (VOC components), according to the criteria of the directive on VOC products (EU directive 1999/13). A volatile organic compound (VOC) mean any organic compound having at 293,15 K a vapour pressure of 0,01 kPa or more, or having a corresponding volatility under the particular conditions of use

WGK: 2 (Wassergefährdungsklasse or water pollution class, German Water Resources Act., slight water pollutant).



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13. Disposal considerations.

Product waste: Incinerate in a hazardous waste incinerator suitable for the disposal of noxious chemical waste in accordance with the relevant regulation. The generation of waste should be avoided or minimised wherever possible. Waste, even small quantities, should never be poured down drains, sewers or watercourses.

Eural code for waste: 08 01 12.

Empty containers: Remove any residue adhering to the walls.

14. Transport information.

Not dangerous cargo.

15. Regulatory information.

EG regulations.
Hazard symbol: Not classified according to the EU regulations.
EU labeling classification: No dangerous substance.
R – (risk) phrases:
S – (safety) phrases: S2 Keep out of the reach of children.

VOC No / small quantity of organic solvents. Material complies all the requirements of 1999/13/EC directive on VOC products and the limits from directive 2004/42/EC.



Waste symbol:

16. Other information.

List of relevant R - phrases referred to under headings 2 and 3:
None.

History: Date of printing: 18 April 2008.
Date of previous issue: 8th of October 2005.
Version: 5.
Changes: To the previous version in section 9 (density).

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. In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any products for its own particular purpose.

Safety data sheet according 91/155/EEC - 2001/58/EC.
MagnetPaint is a trademark of MagPaint Europe B.V..