

SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 1/13
Version: 1.1

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

1.1 Product identifier

Trade name: **SketchPaint**
Synonyms: Whiteboard paint– Dry-erase paint

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

against: SketchPaint changes a smooth surface into a whiteboard for dry erase markers.

Product category: PROC19 (Hand-mixing with intimate contact and only PPE available), 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 Ulft
THE NETHERLANDS
Tel.: +31 (0) 315 38 64 73
Fax: +31 (0) 315 74 52 00
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: National Poison Information Centre: +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: Skin Irrit. 2; H315 - Eye Dam. 1; H318.

2.2. Label elements

In accordance with Globally Harmonized System, EU (GHS)



Hazard pictograms:

Signal word:

Hazard statements:

H315

H318

Precautions:

Danger.

Causes skin irritation.

Causes serious eye damage.



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 2/13
Version: 1.1

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash before reuse.
Hazard-determining components for labelling:	3-(Trimethoxysilyl)propylamine.
2.3. Other hazards	It is recommended that pregnant women avoid contact with this product.
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.

3-(Trimethoxysilyl)propylamine

CAS#: 13822-56-5
EC#: 237-511-5
REACH reg.#: 01-2119510159-45
Content (W/W): < 30 %
Danger, 1272/2008/EC: Skin Irrit. 2; H315 - Eye Dam. 1; H318

Di-n-butyltindilaurate

CAS#: 77-58-7
EC#: 201-039-8
REACH reg.#: 01 -2119496068-27
Content (W/W): < 0.2 %
Danger, 1272/2008/EC: Skin Corr. 1C; H314 - Skin Sens. 1; H317 - Eye Dam. 1; H318 - Muta. 2; H341 - Repr. 1B; H360FD - STOT SE 1; H370 - STOT RE 1; H372 - Aquatic Acute 1; H400 (M = 1) - Aquatic Chronic 1; H410

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

SECTION 4: First aid measures.

4.1. Description of first aid measures



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 3/13
Version: 1.1

General information:	First aid personnel should pay attention to their own safety. Move out of dangerous area. Take off all contaminated clothing immediately. Keep warm, position comfortably and cover well. Do not leave victim unattended.
Eye contact:	Flush eyes thoroughly with water (for at least 15 minutes) while holding eyelids open. Then immediately consult a physician/ophthalmologist.
Skin contact:	Immediately wash affected area with plenty of water for at least 15 minutes. Consult a dermatologist.
Ingestion:	Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get medical advice/attention.
If aerosol or vapour is inhaled in high concentrations:	Check breathing. Seek immediate medical attention. If necessary give mouth-to-mouth resuscitation. Keep him warm, let him rest. Place unconscious person on the side in the recovery position.
4.2. Most important symptoms and effects, both acute and delayed	After absorbing large amounts of substance: Liberation of reaction products (methanol) can lead to symptoms of poisoning. Possible signs of poisoning: Daze, dizziness, nausea, colicky abdominal pain, respiratory disturbance. Symptoms upon increasing intoxication: Dysopia, loss of eyesight.
4.3. Indication of any immediate medical attention and special treatment needed	
Further medical treatment:	Treatment: Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear. If necessary, aspirate leftover substance. Detection of substance (methanol) possible in: Blood. Antidote treatment: Ethanol.

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: A direct water jet 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, carbon dioxide, nitrogen oxides, isocyanate-containing vapours.

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. Clean the equipment



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 4/13
Version: 1.1

Additional information:	thoroughly after use (shower, clean clothing thoroughly and check suitability). If closed containers are exposed to fire, keep cool with water.
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SECTION 6: Accidental release measures.

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|---|---|
| 6.1. Personal precautions, protective equipment and 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. Do not breathe vapours or spray. Avoid contact with skin and eyes. |
| 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 contaminate any lakes, streams, ponds, groundwater or soil. |
| 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. |
| 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/aerosol. Extraction ventilation at the object is required. Avoid contact with skin and eyes. Workers should wash hands and face before eating, drinking and smoking. Material contains solid components as filler; mix before use. Do not dilute or mix with other (paint) products. Carefully open containers. |
| Information about fire - and explosion protection: | In use may form flammable/explosive vapour-air mixture. Keep away from ignition sources such as heat/sparks/open flame. Take special precautions against discharges of static electricity. Explosion-proof equipment is required. When repairs at the production facilities (e.g. welding) are necessary, the area where the repair work is being conducted must be completely free of any trace of the product. |
| 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 |



SAFETY DATA

SHEET Edition: 22 February 2018
 Trade name: SketchPaint
 Page: 5/13
 Version: 1.1

Requirements to be met by storerooms and receptacles:	kept upright to prevent leakage. Avoid moisture from entering by keeping the containers tightly closed when not in use. Preferably keep in the original packaging. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Suitable packaging material:	Original packaging. Closed, tin or metal drum.
Suitable material for tanks and pipelines:	Stainless steel, steel.
Information about storage in one common storage facility:	Keep away from moisture, strong bases and strong acids.
Further information about storage conditions:	Recommended storage temperature 1 - 49 °C. Tightly closed, cool, dry, ventilated.
7.3. Specific end use(s):	No further relevant information available.

SECTION 8: Exposure controls/personal protection.

8.1. Control parameters.

Dangerous ingredients with DN(M)EL:				
Product information:	Exposure	Value	Unit	Population / Effects
3-(Trimethoxysilyl)propylamine CAS#: 13822-56-5				
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	8.3	mg/kg bw/day	Workers Systemic
DN(M)EL	Long-term inhalation	58	mg/m ³	Workers Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Workers Local
DN(M)EL	Long-term inhalation	-	mg/m ³	Workers Local
DN(M)EL	Short-term dermal	-	mg/kg bw/day	Consumer Local
DN(M)EL	Short-term inhalation	-	mg/m ³	Consumer Local
DN(M)EL	Long-term dermal	5	mg/kg bw/day	Consumer Systemic
DN(M)EL	Long-term inhalation	17	mg/m ³	Consumer Systemic
DN(M)EL	Long-term oral	5	mg/kg bw/day	Consumer Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Consumer Local
DN(M)EL	Long-term inhalation	-	mg/m ³	Consumer Local
Dangerous ingredients with DN(M)EL:				
Product information:	Exposure	Value	Unit	Population / Effects
Di-n-butyltindilaurate CAS#: 77-58-7				



SAFETY DATA

SHEET Edition: 22 February 2018
 Trade name: SketchPaint
 Page: 6/13
 Version: 1.1

DN(M)EL	Short-term dermal	2.08	mg/kg bw/day	Workers Systemic
DN(M)EL	Short-term inhalation	-	mg/m ³	Workers Systemic
DN(M)EL	Long-term dermal	0.43	mg/kg bw/day	Workers Systemic
DN(M)EL	Long-term inhalation	0.02	mg/m ³	Workers Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Workers Local
DN(M)EL	Long-term inhalation	-	mg/m ³	Workers Local
DN(M)EL	Short-term dermal	0.5	mg/kg bw/day	Consumer Local
DN(M)EL	Short-term inhalation	0.04	mg/m ³	Consumer Local
DN(M)EL	Long-term oral	0.02	mg/kg bw/day	Consumer Systemic
DN(M)EL	Long-term dermal	0.16	mg/kg bw/day	Consumer Systemic
DN(M)EL	Long-term inhalation	0.005	mg/m ³	Consumer Systemic
DN(M)EL	Long-term oral	0.003	mg/kg bw/day	Consumer Systemic
DN(M)EL	Long-term dermal	-	mg/kg bw/day	Consumer Local
DN(M)EL	Long-term inhalation	-	mg/m ³	Consumer Local

Dangerous ingredients with PNEC:

Product information:	Value	Unit	Compartment
3-(Trimethoxysilyl)propylamine CAS#: 13822-56-5			
PNEC	0.33	mg/l	Fresh water
PNEC	0.033	mg/l	Marine water
PNEC	3.3	mg/l	Intermittent releases
PNEC	13	mg/l	STP (sewage treatment plant)
PNEC	1.2	mg/kg dwt	Sediment fresh water
PNEC	0.12	mg/kg dwt	Sediment marine water
PNEC	0.045	mg/kg wwt	Soil
PNEC	-	-	Air
PNEC	44.4	mg/l	Oral (foodstuffs)




Dangerous ingredients with PNEC:

Product information:	Value	Unit	Compartment
Di-n-butyltindilaurate CAS#: 77-58-7			
PNEC	0	mg/l	Fresh water
PNEC	0	mg/l	Marine water
PNEC	0.0005	mg/l	Intermittent releases
PNEC	100	mg/l	STP (sewage treatment plant)
PNEC	0.05	mg/kg dwt	Sediment fresh water
PNEC	0.005	mg/kg dwt	Sediment marine water
PNEC	0.041	mg/kg wwt	Soil
PNEC	-	-	Air
PNEC	0.2	mg/l	Oral (foodstuffs)



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 7/13
Version: 1.1

8.2. Exposure controls	
Personal protective equipment:	Do not smoke, eat or drink whilst working. Wear suitable protective clothing (preferably cotton).
Mouth and nose protection:	Ventilation, general extraction, local exhaust in case of insufficient ventilation, respiratory protection (EN149, filter type ABEK). Observe the wear time limit of the respirator mask filter cartridge.
Skin and body:	Wear appropriate chemical protective clothing (e.g. EN 13034 type PB [6], including shoes or boots, single-use protective clothing or thick cotton fabric). When handling large quantities: non-flammable protective clothing should be worn.
	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, for breakthrough time > 30 minutes, level 2). Do not rub eyes with dirty hands.
	Safety goggles with side-shields (EN 166). Eye shower.
Eyes:	
	
Environmental exposure controls:	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.
Colour:	Clear, light yellow colour.
Odour:	Slightly irritant.
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/melting range:	Not determined.
Boiling point/boiling range:	Not determined.
Flash Point:	> 65 °C.
Flammability (solid, gas):	Not applicable.
Auto-ignition temperature:	Not determined.
Explosion hazard:	Not determined.
Explosive limits	
Lower:	Not determined.



SAFETY DATA

SHEET Edition: 22 February 2018
 Trade name: SketchPaint
 Page: 8/13
 Version: 1.1

Upper:	Not determined.
Vapour pressure:	Not determined.
Relative density:	1.08 (water = 1).
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/miscibility with water:	Partly soluble.
Partition coefficient (n-octanol/water):	Not determined.
viscosity;	
Dynamic:	Not determined.
Kinematic:	55 KU (Stormer viscometer, ASTM Method D-562).
9.2. Other information	
VOC content:	Nil.

SECTION 10: Stability and reactivity.

10.1. Reactivity:	The product is stable if stored and handled as prescribed.
10.2. Chemical stability:	Stable under normal conditions.
Thermal decomposition/ Conditions to avoid:	Contact with water.
10.3. Possibility of hazardous reactions:	Hydrolysis.
10.4. Conditions to avoid:	Avoid high and low temperatures (loss of quality). Humidity. Keep away from heat and ignition sources. The fumes can form explosive mixtures with air.
10.5. Incompatible materials:	Humid air and water. Acids and bases.
10.6. Hazardous decomposition products:	Unlikely at the recommended storage temperature and under normal conditions of use. Methanol in case of hydrolysis.

SECTION 11: Toxicological information.

11.1. Information on toxicological effects Acute toxicity from the components. LD/LC50 values relevant for classification:		
Product information: CAS#: 13822-56-5	3-(Trimethoxysilyl)propylamine	
Oral	LD50	2.83 mg/kg (rat - man, EPA OTS 798.1175)
Inhalation	LC50 (6 h)	> 5 ppm (rat - man, OECD 403, read across)
Dermal	LD50	4.29 ml/kg (rabbit, EPA OTS 798.1100)
Product information: CAS#: 77-58-7	Di-n-butyltindilaurate	



SAFETY DATA

SHEET Edition: 22 February 2018
 Trade name: SketchPaint
 Page: 9/13
 Version: 1.1

Oral	LD50	2071 mg/kg (rat, OECD 401)
Inhalation	LC50 (4 h)	-
Dermal	LD50	> 2000 ml/kg (rat, OECD 402)

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

Primary irritant effect.
 Effects on the eyes: Irritating.
 Effects on the skin: Irritant/corrosive effect.

Chronic effects: Not classified.
 Germ cell mutagenicity: Contains di-n-butyltindilaurate which is classified as suspected of causing genetic defects.

Reproductive and developmental toxicity: Contains di-n-butyltindilaurate which is classified as may damage fertility. May damage the unborn child.

Sensitisation: Not classified.
 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Not classified.
 Other information: No further relevant information available.

SECTION 12: Ecological information.

12.1. Toxicity
 Ecotoxicity from the components.
 Aquatic toxicity:

Product information: CAS#: 13822-56-5	3-(Trimethoxysilyl)propylamine	
Fish	LC50	1264 mg/l (pimephales promelas)
Water flea	EL50 (48 h)	331 mg/l (daphnia magna, OECD 202)
Algae	EC50 (72 h)	> 1000 mg/l (desmodesmus subspicatus, C.3)

Product information: CAS#: 77-58-7	Di-n-butyltindilaurate	
Fish	LC50 (96 h)	None (danio rerio, OECD 203)
Water flea	EL50 (0.5 h)	0.66 mg/l (daphnia magna, DIN 38 412-11)
Algae	EC50 (72 h)	> 1 mg/l (desmodesmus subspicatus, OECD 201)

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

12.2. Persistence and degradability: No further relevant information available.
 12.3. Bioaccumulative potential: Limited accumulation in organisms is expected.
 12.4. Mobility in soil: The product is (partially) soluble in water.

Further ecological information.



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 10/13
Version: 1.1

General information:	Water hazard class 2 (German regulation) (Self-assessment): hazardous to water. Do not discharge into groundwater, surface water or sewage system.
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 11. 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), wastes from adhesives and sealants containing organic solvents or other dangerous substances. Classified as hazardous waste. Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.
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:	-



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 11/13
Version: 1.1

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:	-
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: -

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



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 12/13
Version: 1.1

Directive 89/686/EEC Directive 98/24/EC Directive 2004/42/EC	Personal protective equipment. Risks related to chemical agents at work. 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.
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:

- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H341 - Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H361FD - May damage fertility. May damage the unborn child.
- H370 - Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H372 - Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- Aquatic Acute - Hazardous to the aquatic environment.
- Aquatic Chronic - Hazardous to the aquatic environment.
- Eye Dam. - Serious eye damage.
- Muta. - Germ cell mutagenicity.
- Repr. - Reproductive toxicity.
- Skin Corr. - Skin corrosion.
- Skin Irrit. - Skin irritation.
- Skin Sens. - Skin sensitization.
- STOT RE - Specific target organ toxicity - repeated exposure.
- STOT SE - Specific target organ toxicity - single exposure.

Document history:

Printed on:	7 February 2019.
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Version:	1.1.
Modification:	(Correction, P-number and Eural code).



SAFETY DATA

SHEET Edition: 22 February 2018
Trade name: SketchPaint
Page: 13/13
Version: 1.1

Information source: -

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).

SketchPaint PRO 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
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