Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

Trade name :	GreenscreenPaint		
Revision date :	03-06-2021	**Version (Revision) :**	3.0.0 (2.0.0)
Print date :	10-06-2021		

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

1.1 Product identifier
GreenscreenPaint (GS-GRN-M)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Products Category [PC]
Dye
Process categories [PROC]
Manual activities involving hand contact
Roller application or brushing

1.3 Details of the supplier of the safety data sheet
Supplier
MagPaint Europe B.V.
Street : Riezenweg 2
Postal code/city : 7071 PR Ulft
Telephone : 0315 386 473

1.4 Emergency telephone number
0315 386 473

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
None

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Special rules for supplemental label elements for certain mixtures

EUH208	Contains REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; 2-METHYLISOTHIAZOL-3(2H)-ONE.May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards
None

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients
TITANIUM DIOXIDE ; EC No. : 236-675-5; CAS No. : 13463-67-7
Weight fraction : ≥ 1 - < 5 %
Classification 1272/2008 [CLP] : Carc. 2 ; H351i
Additional information
Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Do not inhale explosion and combustion gases. Do not allow run-off from fire-fighting to enter drains or water courses. Remove heat to avoid pressure rise.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8).

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Consult the appropriate authorities about waste disposal.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clear spills immediately.

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Wear personal protection equipment (refer to section 8). Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/Store only in original container. Ensure adequate ventilation of the storage area. Recommended storage temperature Keep away from UV-radiation/sunlight Avoid: Frostbite

7.3 Specific end use(s)

Recommendation

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye glasses with side protection DIN EN 166

Skin protection

Hand protection

Breakthrough time (maximum wearing time) Thickness of the glove material Suitable material NBR (Nitrile rubber)

By short-term hand contact : In the case of wanting to use the gloves again, clean them before taking off and air them well.

Suitable material : NBR (Nitrile rubber)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour characteristic Odour threshold No data available

Appearance : Liquid

Colour : green

PCN Colour : green

Odour : characteristic

Safety characteristics

Freezing point :	(1013 hPa)	not determined	
Initial boiling point and boiling range :	(1013 hPa)	not determined	
Decomposition temperature :	(1013 hPa)	not determined	
Flash point :		not relevant	
Auto-ignition temperature :		not relevant	
Lower explosion limit :		not relevant	
Upper explosion limit :		not relevant	
Vapour pressure :	(50 °C)	not determined	
Density :	(20 °C)	1,2	g/cm^3

Solvent separation test :	(20 °C)	not determined	
Water solubility :	(20 °C)	not determined	
pH :		8 - 8,4	
log P O/W :		not determined	
Flow time :	(20 °C)	not determined	DIN-cup 4 mm
Viscosity :	(20 °C)	No data available	
Odour threshold :		not determined	
Evaporation rate :		not determined	
Oxidising liquids :	Not relevant.		
Explosive properties :	Not relevant.		

9.2 Other information
None

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability
The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity
Acute oral toxicity

Parameter :	LD50 (SILICON DIOXIDE ; CAS No. : 7631-86-9)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (SILICON DIOXIDE ; CAS No. : 7631-86-9)
Exposure route :	Oral
Species :	Rat
Effective dose :	3160 mg/kg
Parameter :	LD50 (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	365 mg/kg
Parameter :	LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route :	Oral
Species :	Rat
Effective dose :	254 mg/kg

Acute dermal toxicity

Parameter :	LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route :	Dermal
Species :	Rat
Effective dose :	approx. 1600 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (SILICON DIOXIDE ; CAS No. : 7631-86-9)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 2,08 mg/l
Exposure time :	4 h
Parameter :	LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 588 mg/kg

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

11.2 Toxicokinetics, metabolism and distribution

No data available

11.4 Other adverse effects

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	0,22 mg/l
Exposure time :	96 h
Method :	OECD 203

Chronic (long-term) fish toxicity

Parameter :	NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	0,098 mg/l
Exposure time :	28 D
Method :	OECD 210

Acute (short-term) toxicity to crustacea

Parameter :	EC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) toxicity to crustacea
Effective dose :	0,1 mg/l
Exposure time :	48 h
Method :	OECD 202

Parameter :	EC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Skeletonema costatum
Evaluation parameter :	Acute (short-term) toxicity to crustacea
Effective dose :	0,0052 mg/l
Exposure time :	48 h
Method :	DIN EN ISO 10253
Parameter :	NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Skeletonema costatum
Effective dose :	0,00064 mg/l
Exposure time :	48 h
Method :	DIN EN ISO 10253

Chronic (long-term) toxicity to crustacea

Parameter :	NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Daphnia magna (Big water flea)
Effective dose :	0,004 mg/l
Exposure time :	21 D
Method :	OECD 211

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter :	NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Pseudokirchneriella subcapitata
Effective dose :	0,0012 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Pseudokirchneriella subcapitata
Effective dose :	0,048 mg/l
Exposure time :	72 h
Method :	OECD 201

Toxicity to microorganisms

Parameter :	EC50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Effective dose :	13 mg/l
Exposure time :	3 h
Method :	OECD 209
Parameter :	EC20 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Effective dose :	3,3 mg/l
Exposure time :	3 h
Method :	OECD 209
Parameter :	EC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Activated Sludge
Effective dose :	7,92 mg/l
Exposure time :	3 h
Method :	OECD 209
Parameter :	EC20 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Species :	Activated Sludge
Effective dose :	0,97 mg/l
Exposure time :	3 h

Method : OECD 209

12.2 Persistence and degradability

The single components are biodegradable.

Abiotic degradation

Abiotic degradation (Air)

Parameter : Half-life time (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Aerobic and Anaerobic Transformation Soil
Degradation rate : 0,04 D
Method : OECD 307

Biodegradation

Parameter : BiAS-decrease (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Inoculum : Degree of elimination
Degradation rate : approx. 90 %
Evaluation : Biodegradable.
Method : OECD 302B

Parameter : BiAS-decrease (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Inoculum : Degree of elimination
Degradation rate : > 70 %
Evaluation : Biodegradable.
Method : OECD 303A

Parameter : BiAS-decrease (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Inoculum : Half-life time
Degradation rate : 1,82 - 1,92 D
Evaluation : Biodegradable.
Method : OECD 308

Parameter : BiAS-decrease (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Inoculum : Degree of elimination
Degradation rate : 100 %
Evaluation : Biodegradable.
Method : OECD 302B

Parameter : BiAS-decrease (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Inoculum : Degree of elimination
Degradation rate : > 80 %
Evaluation : Biodegradable.
Method : OECD 303A

Parameter : DOC reduction (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Inoculum : Degree of elimination
Degradation rate : > 60 %
Evaluation : Biodegradable.
Method : OECD 301D

12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Bioconcentration factor (BCF)
Value : 6,95 L/kg
Method : OECD 305

Parameter : Bioconcentration factor (BCF) (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. :

55965-84-9)
Value : 3,16
Method : Bioconcentration factor (BCF)
Parameter : Log KOW (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Partition coefficient: n-octanol/water
Value : 0,7
Evaluation : HPLC method
Method : OECD 117
Parameter : Log KOW (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Partition coefficient: n-octanol/water
Value : < 0,71
Evaluation : HPLC method
Method : OECD 117
Mixture not tested.

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose according to legislation.

SECTION 14: Transport information

14.1 UN number
No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name
No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)
No dangerous good in sense of these transport regulations.

14.4 Packing group
No dangerous good in sense of these transport regulations.

14.5 Environmental hazards
No dangerous good in sense of these transport regulations.

14.6 Special precautions for user
None

SECTION 15: Regulatory information

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

mixture

None

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

a.i. = Active ingredient
ACGIH = American Conference of Governmental Industrial Hygienists (US)
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
AFFF = Aqueous Film Forming Foam
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)
AOAC = AOAC International (formerly Association of Official Analytical Chemists)
aq. = Aqueous
ASTM = American Society of Testing and Materials (US)
atm = Atmosphere(s)
B.V. = Beperkt Vennootschap (Limited)
BCF = Bioconcentration Factor
bp = Boiling point at stated pressure
bw = Body weight
ca = (Circa) about
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
CEFIC = European Chemical Industry Council (established 1972)
CIPAC = Collaborative International Pesticides Analytical Council
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Conc = Concentration
cP = CentiPoise
cSt = Centistokes
d = Day(s)
DIN = Deutsches Institut für Normung e.V.
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC = European Community; European Commission
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EU = European Union
EWC = European Waste Catalogue
FAO = Food and Agriculture Organization (United Nations)
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)
h = Hour(s)
hPa = HectoPascal (unit of pressure)
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG Code = International Maritime Dangerous Goods Code
IMO = International Maritime Organization

ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
IUPAC = International Union of Pure and Applied Chemistry
kg = Kilogram
Kow = Distribution coefficient between n-octanol and water
kPa = KiloPascal (unit of pressure)
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
mg = Milligram
min = Minute(s)
ml = Milliliter
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)
mp = Melting point
MRL = Maximum Residue Limit
MSDS = Material Safety Data Sheet
n.o.s. = Not Otherwise Specified
NIOSH = National Institute for Occupational Safety and Health (US)
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
NOx = Oxides of Nitrogen
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
Pa = Pascal (unit of pressure)
PBT = Persistent, Bioaccumulative or Toxic
pH = -log10 hydrogen ion concentration
pKa = -log10 acid dissociation constant
PNEC = Previsible Non Effect Concentration
POPs = Persistent Organic Pollutants
ppb = Parts per billion
PPE = Personal Protection Equipment
ppm = Parts per million
ppt = Parts per trillion
PVC = Polyvinyl Chloride
QSAR = Quantitative Structure-Activity Relationship
REACH = Registration, Evaluation and Authorization of CHemicals (EU, see NCP)
SI = International System of Units
STEL = Short-Term Exposure Limit
tech. = Technical grade
TSCA = Toxic Substances Control Act (US)
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioacccumulative
WHO = World Health Organization = OMS
y = Year(s)

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

16.5 Relevant H- and EUH-phrases (Number and full text)

H351i	Suspected of causing cancer if inhaled.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.