DYES

Pigmento / Tinte

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01 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

PIGMENTO / TINTE

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

Use: Coating material

For details of the identified uses according to REACH-Regulation (EU) No. 1907/2006 refer to the annex of this safety data sheet.

1.3 Details of the supplier of the safety data sheet

Company	MICROHOMECRET SL Calle Geológicas, 20. 28923. Alcorcón. Madrid
Phone	+34 911268030
E-mail	info@homecret.com

02 Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008
No classification in accordance with the Regulation (EC) No. 1272/2008.

Directive 67/548/EEC or 1999/45/EC
No classification according to EC Directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Regulation (EC) No 1272/2008
No labeling necessary according to the Regulation (EC) No. 1272/2008.

Directive 67/548/EEC or 1999/45/EC
No labeling is required for this material by the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4), in accordance with EC Directives.

2.3 Other hazards

No information available.

03 Composition/information on ingredients

Type of product: Mixture

3.2 Mixtures

Inorganic pigments (30%) and water-thinnable (70%) polyacrylate containing hydroxyl groups

Candidate List of Substances of Very High Concern for Authorization

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

04 First aid measures

4.1 Description of first aid measures

General advice	Take off all contaminated clothing immediately.
If inhaled	In case of irritation of the respiratory tract seek medical advice.
In case of skin contact	Wash off immediately with soap and plenty of water. Consult a doctor in the event of a skin reaction.
In case of eye contact	Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
If swallowed	DO NOT induce the patient to vomit, medical advice is required.

4.2 Most important symptoms and effects, both acute and delayed

Notes to physician: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Therapeutic measures: No information available.

05 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2), Foam, extinguishing powder, in cases of larger fires, water spray should be used.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for fire-fighters

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

06 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

6.2 Environment related measures

Do not allow to escape into waterways, wastewater or soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

6.4 Reference to other sections

For further disposal measures see section 13.

07 Handling and storage

7.1 Precautions for safe handling

If an annex according to REACH-Regulation (EU) No. 1907/2006 is attached to this MSDS, the general conditions of use are further specified in the corresponding exposure scenarios.

When handling observe the usual precautionary measures for chemicals. Avoid contact with the skin and the eyes.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

Storage class (TRGS 510)	12: Non Combustible Liquids

7.3 Specific end use(s)

No information available.

08 Exposure controls/personal protection

If an annex according to Regulation (EU) No. 1907/2006 is attached to this MSDS, the general RMMs are further specified in the corresponding exposure scenarios.

8.1 Control parameters

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

The neutralizing agent is released during processing.

Derived No Effect Level (DNEL) or Derived Minimal Effect Level (DMEL)

8.2 Exposure controls

Respiratory protection	Respiratory protection required in insufficiently ventilated working areas and during spraying. Further recommendations regarding respiratory protection can be found in the individual exposure scenarios in the appendix.
Hand protection	Suitable materials for safety gloves; EN 374: Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min. Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min. Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min. Recommendation: contaminated gloves should be disposed of.
Eye protection	Wear eye/face protection.
Skin and body protection	Wear suitable protective clothing.

09 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid	
Colour	white	
Odour	slight inherent odour	
Odour Threshold	not established	
pH	ca. 8.2 at 22 °C (Determined in a 10 % aqueous solution)	
Pour point	ca. 0 °C	ISO 3016
Initial boiling point	ca. 96 °C at 1,013 hPa	EG A2
Flash point	No flash point up to initial boiling point.	DIN EN ISO 2719
Evaporation rate	not established	
Flammability (solid, gas)	not established	
Burning number	not applicable	
Upper/lower flammability or explosive limits	1-Butoxy-2-propanol upper: 11.4 %(V) / lower: 1.1 %(V)	
Vapour pressure	ca. 25 hPa at 20 °C ca. 124 hPa at 50 °C ca. 155 hPa at 55 °C	EG A4 EG A4 EG A4
Vapour density	not established	
Density	ca. 1.05 g/cm³ at 20 °C	DIN 51757
Miscibility with water	miscible at 15 °C	
Surface tension	not established	
Partition coefficient (n-octanol/water)	not established	
Auto-ignition temperature	not applicable	
Ignition temperature	ca. 410 °C at 980 hPa	DIN 51794
Decomposition temperature	not established	
Viscosity, dynamic	ca. 83 mPa.s at 20 °C Shear gradient D = ca. 100 /s not established	DIN 53019
Dust explosion class	not applicable	
Oxidising properties	not established	

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

10 Stability and reactivity

10.1 Reactivity	This information is not available.
10.2 Chemical stability	No thermal decomposition when stored and handled correctly.
10.3 Possibility of hazardous reactions	This information is not available.
10.4 Conditions to avoid	This information is not available.
10.5 Incompatible materials	This information is not available.
10.6 Hazardous decomposition products	On drying of the coating / hardening release of neutralising agent. (see section 3)

11 Toxicological information

Toxicological studies on the product are not yet available.

Please find below the data available to us:

11.1 Information on toxicological effects

Acute toxicity, oral	Polyacrylate dispersion LD50 rat: > 5,000 mg/kg Toxicological studies of a comparable product.
Primary skin irritation	Polyacrylate dispersion Species: rabbit Result: non-irritant Classification: No skin irritation Toxicological studies of a comparable product.
Primary mucosae irritation	Polyacrylate dispersion Species: rabbit Result: slight irritant Classification: No eye irritation Toxicological studies of a comparable product.
Sensitisation	Polyacrylate dispersion Skin sensitization (local lymph node assay (LLNA)): Species: mouse Result: negative Classification: Does not cause skin sensitization. Method: OECD Test Guideline 429 Toxicological studies of a comparable product.
Subacute, subchronic and prolonged toxicity	No data available.
Reproductive toxicity/Fertility	No data available.
Reproductive toxicity/Teratogenicity	No data available
Genotoxicity in vitro	Polyacrylate dispersion Test type: Salmonella/microsome test (Ames test) Result: No indication of mutagenic effects. Method: OECD Test Guideline 471 Toxicological studies of a comparable product.
Genotoxicity in vivo	No data available.

12 Ecological information

Ecotoxicological studies of the product are not available.

Do not allow to escape into waterways, wastewater or soil.

Please find below the data available to us:

12.1 Toxicity

Acute Fish toxicity	Polyacrylate dispersion LC50 > 100 mg/l Species: Danio rerio (zebra fish) Exposure duration: 96 h Method: OECD Test Guideline 203 Ecotoxicological reports on a comparable product
Acute bacterial toxicity	Polyacrylate dispersion EC50 > 10,000 mg/l Species: activated sludge Method: OECD Test Guideline 209 Ecotoxicological reports on a comparable product

12.2 Persistence and degradability

Biodegradability	Polyacrylate dispersion Biodegradation: 5 %, 28 d, i.e. not readily degradable Method: OECD Test Guideline 301 D Ecotoxicological reports on a comparable product

12.3 Bioaccumulative potential

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.1 Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until “drip-dry”), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

None disposal into waste water.

14 Transport information

ADR/RID

14.1 UN number	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods
14.4 Packing group	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods

ADN

14.1 UN number	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods
14.4 Packing group	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods

This classification data does not apply to transportation by tanker. If required, additional information can be requested from the manufacturer.

IATA

14.1 UN number	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods
14.4 Packing group	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods

IMDG

14.1 UN number	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods
14.4 Packing group	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods

14.6 Special precautions for user

See section 6 - 8.

Additional information	Not dangerous cargo. Avoid heat above +30 °C. Avoid temperatures below +5 °C. Keep away from foodstuffs, acids and alkalis.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15 Regulatory information

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

EU Directive 96/82 EC (Seveso II Directive)

Revision	2003
Listed in regulation	Directive 96/82/EC does not apply

Water contaminating class (Germany)

1 slightly water endangering

(in accordance with Annex 4 to the Directive on Water-Hazardous Substances)

Any existing national regulations on the handling of solvents must be observed.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for:

16 Other information

Full text of hazardous (H) warnings referred to under sections 2, 3 and 10 of the CLP classification (1272/2008/CE).

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.

Full text of R-phrases referred to under sections 2, 3 and 10 of the EU classification (67/548/EEC, 1999/45/EC).

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.