

PAINTCOR

SUPREME QUALITY *From 2086*

TERRAFIRMA

Safety Data Sheet

Paintcor cc

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1. Product Identification

Product Name TERRAFIRMA
Product Code TER
CAS Name and Number Not available (mixture)
Product Description Water based acrylic copolymer for over coating concrete and brick path and driveway as well as other masonry products.

2. Hazard Identification

SAPMA Health Hazard Rating 3 Slight - Minor residual effects could result from accidental exposure if no treatment is applied.
Main Hazard Irritation on eye contact.
Flammability Non-Flammable
Chemical Hazard Alkaline Product
Health Effects
Eyes: Can cause burning / irritation if splashed in eyes.
Skin: May irritate skin with prolonged contact.
Ingestion: May cause nausea and diarrhoea and damage to the mucous membrane.
Inhalation: Adverse health effects from vapours or spray mist in poorly ventilated areas may induce irritation of the nose, throat and respiratory tract. Irritation may cause headaches and nausea.



3. Composition / Information on Ingredients

This product is a chemical preparation of water based acrylic copolymer, inert fillers, pigments and selected additives to ensure stability and performance.

Hazard Components	CAS #	OSHA PEL	ACHIG	TWA Limits	% by WT
Ammonia	1336-21-6	35 ppm	25 ppm		< 0.5%
Acrylic polymer	Not hazardous				<50%
Water	7732-18-5				
Methanol	65-56-1			200ppm 262mg/m2	1-2%



4. First Aid Measures

Product	In Eyes -	Flush open eyes with water for 15 minutes. Call a physician if necessary.
	Inhalation -	Remove to fresh air and if needed give artificial respiration of oxygen.
	On Skin -	Remove contaminated clothing. Wash skin with soap and water. Call a physician if irritation persists.
	Ingestion -	Do not induce vomiting. Give water to drink. If necessary seek medical attention.

5. Fire Fighting Measures

Extinguishing Media	Water, foam, carbon dioxide, sand, etc. Product is non-flammable and will not support combustion.
Specific Hazards	May spatter if temperature exceeds boiling point. Paint films are capable of burning, giving off oxides of carbon / nitrogen.
Protective clothing	Use numeral fire fighting equipment and self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions	Wear suitable protective clothing, gloves and eye/face protection. Ensure adequate ventilation. Slippery conditions.
Environmental precautions	Prevent large quantities getting into waterways. Small spills: Mop up and flush remainder away with water. Large spills: Contain spill by dicing edges with absorbent inert materials. Transfer liquid to container. Keep all spills out of surge lakes, aquifers and any other running water supply. Dispose of in agreement with local regulations.

7. Handling and Storage

Handling precautions	No special precautions. Normal handling care and PPE.
Storage precautions	Should be kept away from freezing temperatures. Avoid contact with micro-organisms. Keep container tightly sealed when not in use. Keep out of the sun and do not store lower than 5°C.
Suitable packaging material	Polyethylene buckets.

8. Exposure Controls / Personal Protection

SAPMA Rating	3-H-C Hands and Eyes
Engineering control measures	Ensure adequate ventilation. If in enclosed area wear NIC approved respirator.
Occupational exposure limits	None known
Personal protection	Respirator: Not required for normal use. Hands: No protection required for normal use. PVC gloves. Eyes: Not required for normal use. Safety goggles. Skin/Body: Use overalls and safety shoes.
Other protection	Wash hands before eating and smoking.





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9. Physical and chemical properties

Appearance	Various standard coloured viscous liquids.
Odour	Ammonia smell.
PH	9.00 - 11
Solubility in water	Miscible
Density	1240 - 1295 g/l
Flammability	Nonflammable
Boiling point	100°C
Flash point	Not determined
Explosive properties	Not determined
Oxidising properties	None known
Decomposition temp	Not determined
Auto ignition temp	463°C
VOC (g/l)	< 50

10. Stability and reactivity

Stability	Stable at ambient temperature.
Conditions to avoid	Exposure to air will form skins on top of liquid.
Materials to avoid	Organic solvents, acid, alkali.
Hazardous decomposition of by-products	None known
Hazardous polymerisation	Will not occur.

11. Toxicological information

Acute toxicity	Oral toxicity (LD 50) > 5628 mg/kg Dermal: (LD50) 15800mg/kg Vapour (LC 50) 64000 mg/m ³ , 4 hrs
Local effects	Eyes: Burning/irritation, if splashed in eyes. Skin: Irritation/drying with prolonged contact. Ingestion: Nausea, diarrhoea and mucous damage may occur. May be fatal or cause blindness if swallowed Inhalation: Light headaches and possible irritation to the mucous membranes.
Chronic toxicity	None known
Carcinogenicity	None known
Mutagenicity	None known
Reproductive hazards	None known

12. Ecological information

Biodegradability	Liquid evaporates and solids are slowly biodegradable.
Bioaccumulation	Unlikely to accumulate in the aquatic environment.
Bio - toxicity - in water	(LD 50) 29400 mg/l, 96 hrs for methanol and <500 mg/l for polymer

13. Disposal consideration

Waste disposal	Use landfill or incinerate. Obey all local, state and federal laws and regulations. Dispose off all waste directed by these agencies. Do not mix with other chemical waste. Small spills can be diluted and washed into sewers.
Packaging disposal	Drain well and rinse thoroughly before recycling.

14. Transport information

U.N. No.	
Substance Identity No.	None
Classification	
Hazardous warning	Not classified as dangerous for transportation by road, rail, sea or air.



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15. Regulatory Information

EEC Hazard Classification	Not classified as dangerous.
Hazard symbols	Xi Irritant
Risk phrases	Non required
Safety phrases	S2: Keep out of reach of children S7: Keep container tightly closed S36/37: Wear suitable protective clothing and gloves S45: In case of accident or you feel unwell, seek medical advice immediately
National/Local Regulations	None
Contains	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 55965-84-9



16. Other information

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Date of last revision:	November 2014
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Note: The data and recommendations contained herein are based upon data that is considered to be accurate, however, Paintcor cc makes no warranty or guarantee, either expressed or implied, of the accuracy or completeness of this data and recommendations. Paintcor cc advises the user of the product to make their own determinations as to the information suitability and completeness for the particular application.

Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists.
OSHA:	Occupational Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
TWA:	Time Weighted Average
STEL:	Short Term Exposure Limit
PPE:	Personal Protective Equipment.
OEL:	Occupational Exposure Limits