

PAINTCOR

SUPREME QUALITY *From 2086*

CEMENTEK

Safety Data Sheet

Paintcor cc

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1. Product Identification

Product Name CEMEMTEK
Product Code CEM
CAS Name and Number Not available (mixture)
Product Description Acrylic polymer in solvent for use on concrete, plaster and masonry etc.

2. Hazardous Identification

SAPMA Health Hazard Rating 2 Moderate - Minor residual effects could result from accidental exposure if no treatment is applied.

Main Hazard Harmful, flammable.
Flammability Flammable
Chemical Hazard Aliphatic solvents. Keep away from sources of ignition.
Health Effects
Eyes: Can cause burning / irritation redness and pain if splashed in eyes.
Skin: May irritate skin (degrease) with prolonged contact and may lead to dermatitis.
Ingestion: Harmful. May cause nausea and diarrhoea and damage to the mucous membrane, sore throat, abdominal pains and laboured breathing. May be fatal if swallowed.
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 sore throats, coughing, headaches, dizziness, nausea and loss of consciousness.



3. Composition / Information on Ingredients

This product is a chemical preparation of a pure acrylic polymer, solvents and additives.

Hazard Components	CAS #	Symbols	Risk phrases	Safety phrases	% by WT
Acrylic polymer			R22		
Mineral spirits	064742-88-7	Xi	R10,R65,R66	S24/25,S37	< 1%
Heavy Aromatics	064742-94-5	Xi	R10,R65,R66	S24/25,S37	> 10%
Xylene, mixed isomers	001330-20-7	Xn	R10,R20/21,R38	S24/25,S37	> 60 %



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4. First Aid Measures

Product	In Eyes -	Check for and remove contact lenses. 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. In severe cases seek medical attention and administer external cardiac massage if necessary.
	On Skin -	Use hand cleaner. Wash skin with soap and water. Remove contaminated clothing. Call a physician if irritation persists.
	Ingestion -	Do not induce vomiting. Give water to drink. If necessary seek medical attention.

Note to a physician: Material if aspirated into lungs may cause chemical pneumonitis. Treat appropriately and monitor for cardiac dysrhythmias.

5. Fire Fighting Measures

Extinguishing Media	Carbon dioxide. Dry powders. Alcohol resistant foam. Fog to cool and control. Do not use water jets.
Specific Hazards	Dry films are capable of burning, giving off oxides of carbon and / or nitrogen. There is a danger of flashbacks if sparks or hot surfaces ignite vapour.
Protective clothing	Use numeral fire fighting equipment and self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions	Eliminate sources of ignition. Wear suitable protective clothing, gloves and eye / face protection. Ensure adequate ventilation ensuring that the OEL is not exceeded or use respiratory protection. Prevent skin and eye contact.
Environmental precautions	Prevent large quantities getting into waterways. Small spills: Mop up with sand, earth or approved absorbent inert materials and transfer to suitable containers. Large spills: Eliminate all ignition sources. Contain spill by dicing edges with sand, earth or suitable absorbent inert materials (vermiculite). Transfer liquid to suitable container, using spark proof equipment. 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	Ensure storage vessels and transfer equipment are earthed. Naked flames and other sources of ignition must not be present. Handle in well ventilated areas. Wear suitable PPE. Avoid contact with skin and eyes.
Storage precautions	Store at ambient temperatures in well ventilated area and prevent any contact from any source of ignition. Keep separate from oxidizers. Keep lids tightly sealed when not in use.
Suitable packaging material	Suitable materials for storage are mild steel, stainless steel and aluminium containers. Plastics and rubber are not recommended, although some polyolefin's can be used for small quantities.



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8. Exposure Controls / Personal Protection

SAPMA Rating 2-H-E Hands, Eyes and Respirator
Engineering control measures No open flames. No smoking. No sparks. Ensure adequate ventilation. If in enclosed area wear NIC approved respirator. Wear appropriate PPE when handling.

Occupational exposure limits

CAS no:	Substance	OEL mg /m ³	ppm	STEL mg / m ³	ppm	TLV
001330-20-7	Xylene, mixed isomers	434	100	650	150	
064742-94-5	Solv naphtha, heavy aromatic	300	50	525	100	100ppm
	Pure Acrylic			none		

Personal protection
Respirator: Use in enclosed areas and must be approved for organic vapours. Normal working conditions should have adequate ventilation.
Hands: Use barrier cream and wear butyl rubber, PVC, nitrile or other suitable gloves.
Eyes: Use face shield or goggles / safety glasses with side protection.
Skin/Body: Use overalls / suitable protective clothing and safety shoes.
Remove contaminated clothing to avoid skin contact.

Other protection Wash hands before eating and smoking.



9. Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Characteristic solvent odour.
Solubility in water	Insoluble
Solubility in solvent	Soluble in aliphatic & most aromatic solvents
Density	0.880 – 0.950 g/l
Flammability	Flammable
Boiling point	154 - 205°C (ASTM D 93 test method)
Melting Point	Not determined
Flash point	24.5°C (ASTM D test method)
Explosive properties	Not determined
Oxidising properties	Non oxidising
Vapour pressure	Not determined
Decomposition temp	Not determined
Auto ignition temp	Not determined
Viscosity	Not determined (low)

10. Stability and reactivity

Stability	Stable at ambient temperature.
Conditions to avoid	Exposure to high temperatures or open flames.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition of by-products	Burning will produce dense, acid smoke containing Carbon Dioxide, Carbon Monoxide other noxious fumes.
Hazardous polymerisation	Will not occur.



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11. Toxicological Information

Acute toxicity				
CAS no:	Substance	LD50(0) mg / kg	LD50(D) mg / kg	LC50 ml / m3
0011330-20-7	Xylene, mixed isomers	4300	5000	23506
064742-88-7	Mineral spirits			
064742-94-5	Solv naphtha, heavy aromatic	>200 <= 2 000	>2 000	>2 <= 5
	Pure Acrylic	>5000	>3000	
Local effects	Eyes:	Burning / irritation, if splashed in eyes.		
	Skin:	Frequent or prolonged contact may irritate and cause dermatitis. May be absorbed with possible systemic effects.		
	Ingestion:	Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchi pneumonia or pulmonary oedema. Low order of toxicity.		
	Inhalation:	High vapour irritates the eyes and the respiratory tract, causing headaches, dizziness, nausea, vertigo and unconsciousness and may have other nervous effects. Deliberate inhalation, even for short periods, can cause unconsciousness and / or sudden fatality.		
Chronic toxicity	None known			
Carcinogenicity	No evidence of carcinogenic effect			
Mutagenicity	No evidence of mutagenic effect.			
Neuro-toxicity	Xylene is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness. Mineral spirits is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness. Solv naphtha, heavy aromatic, is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness.			
Reproductive hazards	No evidence of reproductive hazards.			

12. Ecological Information

Mobility	Liquid. Spillage may penetrate the soil causing ground water contamination.
Biodegradability	Resin solids are slowly biodegradable. Solvents vaporises.
Bioaccumulation	Solvent can bio-accumulate but with short retention time.
Aquatic toxicity	Resin solids have lower order of toxicity. Solvents is moderately toxic to aquatic life.

13. Disposal Consideration

Waste disposal	Liquid surplus or waste should be appropriately labelled. Disposal must be in accordance with current national and local regulations. Appropriate disposal is by incineration. Solidified wastes must be land filled in an appropriate H:H or H:h landfill site but authorisation from appropriate sources should be sought.
Packaging disposal	Empty drums should be sent for reconditioning or scrap by a recognised drum reconditioner, appropriately labelled in accordance with national and local regulations. Empty containers pose a fire hazard. Hazard labels should not be removed. Incinerate or treat as for disposal of waste.

14. Transport Information

U.N. No.	1307 / 1268		
Substance Identity No.	None		
Classification	Flammable		
Hazardous warning	UN Packaging group:	III	
	Class:	3.3	
	Subsidiary risk:		





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15. Regulatory Information

Symbols:	N:	Harmful to environment.
	Xn:	Harmful
	Xi:	Irritant
Hazard Symbols:	Flammable class 3	
EC label:	Toluene, 203-625-9	
	Xylene, mixed isomers, 215-535-7	
Risk phrases:	R10:	Flammable
	R20/21:	Harmful by inhalation and contact with skin.
	R22:	Harmful if swallowed.
	R36/38:	Irritating to eyes and skin.
	R65:	Harmful, may cause lung damage if swallowed.
	R66:	Repeated exposure may cause skin dryness or cracking.
Safety phrases:	S2:	Keep out of reach of children
	S16:	Keep away from sources of ignition – No smoking
	S24/25:	Avoid contact with skin and eyes.
	S26:	In case of eye contact, rinse immediately with plenty of water and seek medical advise.
	S29:	Do not empty into drains.
	S36/37/39:	Wear suitable protective clothing, gloves and eye / face protection.
	S38:	In case of insufficient ventilation, wear suitable respiratory equipment.
National / Local regulations:	Refer to Occupational Health and Safety Act (1993). Hazardous Chemical Substance Regulation and General Administrative Regulations.	



16. Other information

Date of Issue: January 2008
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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