

# PAINTCOR

SUPREME QUALITY *Since 1986*

## CEMENTEK

### Material Safety Data Sheet

#### 1. Product Identification

<u>Product Name:</u>	CEMENTEK
<u>Product Code:</u>	CEM
<u>CAS Name and Number:</u>	Not available (mixture)
<u>Product Description:</u>	Acrylic polymer in solvent for use on concrete, plaster and masonry etc.

#### 2. Hazard Identification

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

<u>Main Hazard:</u>	Harmful, flammable
<u>Flammability:</u>	Flammable
<u>Chemical Hazard:</u>	Aliphatic solvents. Keep away from sources of ignition.
<u>Health Effects:</u>	<u>Eyes:</u> Can cause burning / irritation if splashed in eyes.
	<u>Skin:</u> May irritate skin with prolonged contact and may lead to dermatitis.
	<u>Ingestion:</u> Harmful. May cause nausea and diarrhoea and damage to the mucous membrane, sore throat, abdominal pains and laboured breathing.
	<u>Inhalation:</u> 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.



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### 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		>1 %
Mineral spirits	064742-88-7	Xi	R10,R65,R66	S24/25,S37	< 0.1 %
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 %

### 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.

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## 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 from getting into drains, sewers or waterways.
- Small spills: Mop up and flush remainder away with water.
- Large spills: Contain spill by dicing edges with absorbent inert materials (vermiculite). 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 is 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 and breathing vapour.
- 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 rubbers 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 - 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	(ACGIH) OEL mg /m3	ppm	TWA	STEL mg / m3	ppm	TWA	TLV ppm
001330-20-7	Xylene, mixed isomers	434	100	8 Hrs	650	150	15 min	100
064742-94-5	Solv naphtha, heavy aromatic Pure Acrylic	300	50		525 none	100		100

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 material 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.



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## 9. Physical and Chemical Properties

<u>Appearance:</u>	Clear liquid
<u>Odour:</u>	Characteristic solvent odour
<u>Solubility in water:</u>	Insoluble
<u>Solubility in solvents:</u>	Soluble in aliphatic and most aromatic solvents.
<u>Density:</u>	0.750 to 0.850 g / l
<u>Flammability:</u>	Flammable
<u>Boiling point:</u>	> 154 - 205°C (ASTM D 93)
<u>Melting point:</u>	Not determined
<u>Flash point:</u>	38°C (ASTM D 93)
<u>Explosive properties:</u>	Not determined
<u>Oxidising properties:</u>	Non oxidising
<u>Decomposition temp:</u>	Not determined
<u>Vapour pressure:</u>	Not determined
<u>Auto ignition temp:</u>	Not determined
<u>Viscosity:</u>	Not determined (low)

## 10. Stability and Reactivity

<u>Stability:</u>	Stable at ambient temperatures.
<u>Conditions to avoid:</u>	Exposure to high temperatures or open flames.
<u>Materials to avoid:</u>	Strong oxidising agents.
<u>Hazardous decomposition:</u>	Burning will produce dense, acid smoke containing Carbon Dioxide, Carbon Monoxide other noxious fumes.
<u>Hazardous polymerisation:</u>	Will not occur.

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## 11. Toxicological Information

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		>2000	
064742-94-5	Solv naphtha, heavy aromatic	>200< = 2 000	>2000	>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.

### 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.

### National / Local regulations:

Refer to Occupational Health and Safety Act (1993).  
Chemical Substance Regulation and General Administrative Regulations.



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## 12. Ecological Information

### Mobility:

Liquid. Spillage may penetrate the soil causing ground water contamination.

### Biodegradability:

Resin solids are slowly biodegradable. Solvent vaporises.

### Bioaccumulation:

Solvent can bio-accumulate but with short retention time.

### Aquatic toxicity:

Resin solids have lower order of toxicity. Solvent is 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 landfilled 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 re-conditioner, 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:

## 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.

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Safety phrases:

- R22: Harmful if swallowed.  
R36/38: Irritating to eyes and skin.  
R52/53: Harmful to aquatic organisms, may cause long-Term adverse effects in the aquatic environment.  
R65: Harmful, may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
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 advice.  
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.  
S43: In case of fire use foam or dry powder. Never use water jets.  
S61: Avoid release to the environment. Refer to special instructions / Safety Data Sheets.  
S62: In case of insufficient ventilation, wear suitable respiratory equipment. If swallowed, do not induce vomiting. Seek medical advice promptly.

National / Local Regulations:

Refer to Occupational Health and Safety Act (1993).  
Hazardous Chemical Substance Regulation and General Administrative Regulations.





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## 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.  
CAS#: Chemical Abstract Service Number  
DGR: Dangerous goods Regulations  
DNEL: Derived No-Effect Level  
EC50: Half Maximal Effect Concentration  
EEC: European Economic Community  
EINECS: European Inventory of Existing Commercial Chemical Substances  
EU: European Union  
IATA: International Air Transport Association  
IC50: Half Maximal Inhibitory Concentration  
LC50: Lethal Concentration  
LD50: Lethal Dose, 50%  
NIOSH: National Institute for Occupational Safety and Health  
OEL: Occupational Exposure Limit  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
PNEC: Predicted No-Effect Concentration  
PPE: Personal Protective Equipment  
SAPMA: South African Paint Manufacturers Association  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time Weighted Average  
VOC: Volatile Organic Compounds