

# SAFETY DATA SHEET



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

## Section I - Product Identification

Date: 2016

Product Name:	QC Clear Cure
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	N/A
Chemical Family:	N/A
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	Cement waterproofing compound (non-hazardous)
Appearance & Odor:	Milk white liquid, sweet odor
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	956 622 7677
Product Use:	

## Section II - Hazards Identification

### Hazard Symbol:



### Emergency Overview

Clear. Liquid. May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

### Acute Potential Health Effects/ Routes of Entry

**Inhalation :** May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue.

**Eyes :** Vapor and/or mist may cause eye irritation. Direct contact may cause temporary redness and discomfort.

**Ingestion :** May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

**Skin :** May cause moderate irritation.

### Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

### Chronic Health Effects

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Prolonged or repeated exposure to xylene may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney damage. Xylene overexposure may affect fetal development. Prolonged or repeated contact/exposure to aromatic petroleum distillates may cause defatting, drying, and irritation of the skin, dermatitis, and central nervous system (CNS) effects. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Styrene was reported to cause liver and kidney damage in experimental animals at high levels of exposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Lung, Liver, Kidney, Nerve, Reproductive

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## Section III - Product Composition

<i>Composition</i>	<i>CAS No.</i>	<i>Weight %</i>
Aromatic petroleum distillates	64742-95-6	40.0 - 70.0
Styrene Ethylhexyl Acrylate Copolymer	Proprietary	15.0 - 40.0
1,2,4-Trimethylbenzene	95-63-6	15.0 - 40.0
1,3,5-Trimethylbenzene	108-67-8	3.0 - 7.0
Cumene	98-82-8	1.0 - 5.0
Diethylbenzene, Mixed Isomers	25340-17-4	1.0 - 5.0
Bis (2-propylheptyl) phthalate	53306-54-0	1.0 - 5.0
Xylene	1330-20-7	1.0 - 5.0
Styrene	100-42-5	0.1 - 1.0
Ethylbenzene	100-41-4	0.1 - 1.0

## Section IV - First Aid Measures

**Get immediate medical attention for any significant overexposure.**

Inhalation :	Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact :	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact :	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion :	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

## Section V - Fire Fighting Measure

Flash point :	114 °F, 46 °C
Method :	Setaflash Closed Cup
Lower explosion limit :	1.00 %(V) Solvent
Upper explosion limit :	7 %(V) Solvent
Autoignition temperature :	Not available.
Extinguishing media :	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products:	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form.
Protective equipment for firefighters:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water may be used to cool containers to minimize pressure build-up.
Fire and explosion conditions :	Vapor concentrations in enclosed areas may ignite explosively. Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors.

## Section VI - Accidental Release Measures

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

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## Section VII - Handling and Storage

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. To prevent generation of static discharges, use bonding/grounding connection when pouring liquid. Extinguish all ignition sources including pilot lights, nonexplosion proof motors and electrical equipment until vapors dissipate. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Store in sealed containers in a cool, dry, ventilated warehouse location.

## Section VIII - Exposure Controls / Personal Protection

### Personal Protective Equipment



Respiratory protection :	Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
Hand protection :	Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
Eye protection :	Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
Protective measures :	Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.
Engineering measures :	Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
1,2,4-Trimethylbenzene	95-63-6	ACGIH TWA:	25 ppm	
1,3,5-Trimethylbenzene	108-67-8	ACGIH TWA:	25 ppm	
Cumene	98-82-8	ACGIH TWA:	50 ppm	
		OSHA PEL:	245 mg/m3	
Xylene	1330-20-7	ACGIH TWA:	100 ppm	
		ACGIH STEL:	150 ppm	
		OSHA PEL:	435 mg/m3	
Styrene	100-42-5	ACGIH TWA:	20 ppm	
		ACGIH STEL:	40 ppm	
		OSHA TWA:	100 ppm	
Ethylbenzene	100-41-4	ACGIH TWA:	100 ppm	
		ACGIH STEL:	125 ppm	
		OSHA PEL:	435 mg/m3	

## Section IX - Physical and Chemical Properties

Form :	Liquid
Color :	Clear
Odor :	Aromatic Solvent
pH :	Not available.
Vapour pressure :	9.5 hPa at 70 °F
Vapor density :	Heavier than air
Melting point/range :	Not available.
Freezing point :	Not available.
Boiling point/range :	320 - 335 °F, 160 - 168 °C
Water solubility :	Negligible
Specific Gravity :	0.895
% Volatile Weight :	73.3 %

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## Section X - Reactivity / Estability

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.  
Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.  
Hazardous  
polymerization : Will not occur.

## Section XI - Toxicological Information

Cumene, CAS-No.: 98-82-8

Acute oral toxicity (LD-50 oral) 2,910 mg/kg ( Rat ) 1,400 mg/kg ( Rat )  
Acute inhalation toxicity (LC-50) 2,000 mg/l for 7 h ( Mouse ) 8,000 mg/l for 4 h ( Rat ) 24.7 mg/l for 2 h ( Mouse )

Xylene, CAS-No.: 1330-20-7

Acute oral toxicity (LD-50 oral) 4,300 mg/kg ( Rat ) 1,590 mg/kg ( Mouse ) 6,670 mg/kg ( Rat ) 3,523 - 8,600 mg/kg ( Rat ) 5,627 mg/kg ( Mouse )  
Acute inhalation toxicity (LC-50) 6,350 mg/l for 4 h ( Rat ) 3,907 mg/l for 6 h ( Mouse ) 8,000 mg/l for 4 h ( Rat )

Styrene, CAS-No.: 100-42-5

Acute oral toxicity (LD-50 oral) 5,000 mg/kg ( Rat ) 1,000 mg/kg ( Rat ) 316 mg/kg ( Mouse)  
Acute inhalation toxicity (LC-50) 4,940 mg/l for 2 h ( Mouse ) 2,770 mg/l for 4 h ( Rat ) 24 mg/l for 4 h ( Rat )

Ethylbenzene, CAS-No.: 100-41-4

Acute oral toxicity (LD-50 oral) 5,460 mg/kg ( Rat ) 3,500 mg/kg ( Rat )  
Acute dermal toxicity (LD-50 dermal) 17,800 mg/kg ( Rabbit )

## Section XII - Ecological Information

No Data Available

## Section XIII - Disposal Considerations

RCRA Class : D001: Reportable Quantity = 100 lbs. (Characteristic of ignitability) This classification applies only to the material as it was originally produced.  
Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

## Section XIV - Transportation / Shipping Data

CFR / DOT: Not Regulated  
TDG: Not Regulated  
IMDG: UN1139, COATING SOLUTION, 3, PG III

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

## Section XV - Regulatory Information

### North American Inventories:

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

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## Section XV - Regulatory Information

### U.S. Federal Regulations:

SARA 313 Components :	1,2,4-Trimethylbenzene	95-63-6
	Cumene	98-82-8
	Xylene	1330-20-7
	Styrene	100-42-5
	Ethylbenzene	100-41-4

SARA 311/312 Hazards :	Acute Health Hazard
	Fire Hazard

### OSHA Hazardous Components :

1,2,4-Trimethylbenzene	95-63-6
1,3,5-Trimethylbenzene	108-67-8
Cumene	98-82-8
Xylene	1330-20-7
Styrene	100-42-5
Ethylbenzene	100-41-4

OSHA Status: Considered: hazardous based on the following criteria:	Irritant
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OSHA Flammability :	II
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Regulatory VOC (less water and exempt solvent) :	656 g/l
VOC Method 310 :	73 %

### U.S. State Regulations:

MASS RTK Components :	1,2,4-Trimethylbenzene 95-63-6
	1,3,5-Trimethylbenzene 108-67-8
	Cumene 98-82-8
	Xylene 1330-20-7
	Styrene 100-42-5

Penn RTK Components :	Aromatic petroleum distillates	64742-95-6
	Styrene Ethylhexyl Acrylate Copolymer	NJ TSRN# 51721300-5841P
	1,2,4-Trimethylbenzene	95-63-6
	1,3,5-Trimethylbenzene	108-67-8
	Cumene	98-82-8
	Bis (2-propylheptyl) phthalate	53306-54-0
	Xylene	1330-20-7

NJ RTK Components :	Aromatic petroleum distillates	64742-95-6
	Styrene Ethylhexyl Acrylate Copolymer	NJ TSRN# 51721300-5841P
	1,2,4-Trimethylbenzene	95-63-6
	1,3,5-Trimethylbenzene	108-67-8
	Cumene	98-82-8
	Diethylbenzene, Mixed Isomers	25340-17-4
	Xylene	1330-20-7

### Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

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## Section XVI - Other Information

HMIS Rating :

HEALT 1  
FLAMMABILITY 0  
REACTIVITY 0  
PPE

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious

### Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

### Legend

ACGIH - American Conference of Governmental Hygienists      PEL - Permissible Exposure Limit  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
RCRA - Resource Conservation and Recovery Act  
DOT - Department of Transportation      RTK - Right To Know  
DSL - Domestic Substance List      SARA - Superfund Amendments and Reauthorization Act  
EPA - Environmental Protection Agency      STEL - Short Term Exposure Limit  
HMIS - Hazardous Materials Information System      TLV - Threshold Limit Value  
IARC - International Agency for Research on Cancer      TSCA - Toxic Substances Control Act  
MSHA - Mine Safety Health Administration      TWA - Time Weighted Average  
NDSL - Non-Domestic Substance List      V - Volume  
NIOSH - National Institute for Occupational Safety and Health      VOC - Volatile Organic Compound  
NTP - National Toxicology Program  
WHMIS - Workplace Hazardous Materials Information System  
OSHA - Occupational Safety and Health Administration

### References:

CA: California  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
Inh: Inhalation  
IOC: Inventory of Chemicals  
KECI: Korean Existing Chemicals Inventory  
KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
MA: Massachusetts  
MN: Minnesota  
N/Ap: Not Applicable  
N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NJ: New Jersey  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
RCRA: Resource Conservation and Recovery Act  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
TSCA: Toxic Substance Control Act  
WHMIS: Workplace Hazardous Materials Identification System  
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2015.  
2. International Agency for Research on Cancer Monographs, searched 2015.  
3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb Databases, 2015 (Chempendium, HSDB, RTECs).  
4. Material Safety Data Sheet from manufacturer.  
5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.  
6. US EPA Title III List of Lists  
6. California Proposition 65 List

### DISCLAIMER

This Safety Data Sheet was prepared by JBM Inc. using information provided by "QC" CONSTRUCTION PRODUCTS QUALITY ARCHITECTURAL CONCRETE. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. JBM Inc. and "QC" CONSTRUCTION PRODUCTS QUALITY ARCHITECTURAL CONCRETE expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of JBM Inc. and "QC" CONSTRUCTION PRODUCTS QUALITY ARCHITECTURAL CONCRETE.

Before using this product :

Completely read the QC Tech-Data Bulletin  
Antiquing Release and the product label.

10.05M

QC Color Cure