

# SAFETY DATA SHEET



HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

## Section I - Product Identification

Date: 2016

Product Name:	QC Solvent Seal 18 (MI)
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:	Paint, 3, UN1263, III
Appearance & Odor:	Clear 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. 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

## Section III - Product Composition

Composition	CAS Number	Weight	%
Aromatic petroleum distillates	64742-95-6	Proprietary	30.0 - 60.0
Acrylic resin	Proprietary	Proprietary	15.0 - 40.0
1,2,4-Trimethylbenzene	95-63-6	Proprietary	15.0 - 40.0
1,3,5-Trimethylbenzene	108-67-8	Proprietary	5.0 - 10.0
Xylene	1330-20-7	Proprietary	1.0 - 5.0
1,2,3-Trimethylbenzene	526-73-8	Proprietary	1.0 - 5.0
Cumene	98-82-8	Proprietary	1.0 - 5.0

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## 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 :	108 °F, 42 °C
Method :	Pensky-Martens Closed Cup
Lower explosion limit :	1 %(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.

## 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.

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## Section VIII - Exposure Controls / Personal Protection

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	
Xylene	1330-20-7	ACGIH TWA:	100 ppm	
		ACGIH STEL:	150 ppm	
		OSHA PEL:	435 mg/m <sup>3</sup>	
1,2,3-Trimethylbenzene	526-73-8	ACGIH TWA:	25 ppm	
Cumene	98-82-8	ACGIH TWA:	50 ppm	
		OSHA PEL:	245 mg/m <sup>3</sup>	

## Section IX - Physical and Chemical Properties

Form : Liquid  
Color : Clear  
Odor : Aromatic Solvent  
pH : Not available.  
Vapour pressure : Not available.  
Vapor density : Heavier than air  
Melting point/range : Not available.  
Freezing point : Not available.  
Boiling point/range : Not available.  
Water solubility : Negligible  
Specific Gravity : 0.93  
% Volatile Weight : 73.2 %

## 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

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 )

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 )

## Section XII - Ecological Information

No Data Available

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## 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: UN1866, RESIN 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:

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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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### U.S. Federal Regulations:

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SARA 313 Components :  
1,2,4-Trimethylbenzene CAS: 95-63-6  
Xylene CAS: 1330-20-7  
Cumene CAS: 98-82-8

SARA 311/312 Hazards : Acute Health Hazard Fire Hazard

OSHA Hazardous Components :  
1,2,4-Trimethylbenzene CAS: 95-63-6  
1,3,5-Trimethylbenzene CAS: 108-67-8  
Xylene CAS: 1330-20-7  
1,2,3-Trimethylbenzene CAS: 526-73-8  
Cumene CAS: 98-82-8

OSHA Status: Considered  
hazardous based on the following criteria:  
: Irritant

OSHA Flammability : II  
Regulatory VOC (less water and exempt solvent) : 681 g/l  
VOC Method 310 : 73 %

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## Section XV - Regulatory Information

### U.S. State Regulations:

#### MASS RTK Components :

1,2,4-Trimethylbenzene	CAS: 95-63-6
1,3,5-Trimethylbenzene	CAS: 108-67-8
Xylene	CAS: 1330-20-7
1,2,3-Trimethylbenzene	CAS: 526-73-8
Cumene	CAS: 98-82-8

#### Penn RTK Components :

Aromatic petroleum distillates	CAS: 64742-95-6
Acrylic resin	PROPRIETARY
1,2,4-Trimethylbenzene	CAS: 95-63-6
1,3,5-Trimethylbenzene	CAS: 108-67-8
Xylene	CAS: 1330-20-7
1,2,3-Trimethylbenzene	CAS: 526-73-8
Cumene	CAS: 98-82-8

#### NJ RTK Components :

Aromatic petroleum distillates	CAS 64742-95-6
Acrylic resin	PROPRIETARY
1,2,4-Trimethylbenzene	CAS: 95-63-6
1,3,5-Trimethylbenzene	CAS: 108-67-8
Xylene	CAS: 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

## Section XVI - Other Information

HMIS Rating :	HEALT	2	0 = Minimum
	FLAMMABILITY	2	1 = Slight
	REACTIVITY	0	2 = Moderate
	PPE		3 = Serious
			4 = Severe

#### 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.

Prepared by: Rich Mikol

#### 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

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## Section XVI - Other Information

### 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 Sunstances 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, CCIInfoWeb 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.

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QC Solvent Seal 18