

# SAFETY DATA SHEET



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FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	G

## Section I - Product Identification

Date: 2016

Product Name:	QC Crack Repair Kit Part B
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	N/A
Chemical Family:	Polyamines
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	N-Aminoethylpiperazine, Mixture, 8, UN2815, III
Appearance & Odor:	Amber liquid, ammoniacal 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

Off-White to White. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Inhalation :	No serious effects anticipated under normal conditions of use.
Eyes :	Direct contact may cause mild irritation.
Ingestion :	May cause gastrointestinal irritation, nausea, and vomiting.
Skin :	May cause mild irritation.

### Aggravated Medical Conditions

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

### Chronic Health Effects

Fillers are encapsulated and not expected to be released from product under normal conditions of use.

## Section III - Product Composition

Composition	%	CAS Number
Water	40.0 - 70.0	7732-18-5
Polyacrylate Resin and Reactive Diluent	40.0 - 70.0	NJ TSRN# 51721300-6051P
Triethanolamine	1.0 - 5.0	102-71-6
Propylene Glycol n-Butyl Ether	1.0 - 5.0	5131-66-8

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## Section IV - First Aid Measures

Get immediate medical attention for any significant overexposure.

Inhalation :	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact :	Flush with water for 15 minutes. If irritation persists, get medical attention.
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 :	Get medical attention. Do not induce vomiting.
Notes to physician :	Not applicable.

## Section V - Fire Fighting Measure

Flash point Method	Not available. Not applicable.
Burning rate	Non-Flammable Liquid
Lower explosion limit	Not available.
Upper explosion limit	Not available.
Autoignition temperature	Not available.
Extinguishing media	This product is not expected to burn under normal conditions of use.
Hazardous combustion products	Carbon monoxide and carbon dioxide can form. Smoke, fumes.
Protective equipment for firefighters	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	This product not expected to ignite under normal conditions of use.

## Section VI - Accidental Release Measures

Transfer to appropriate container for disposal. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

## Section VII - Handling and Storage

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. 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. Store in sealed containers in a dry, ventilated warehouse location above freezing.

## Section VIII - Exposure Controls / Personal Protection

Respiratory protection	Not required under normal conditions of use. Wear appropriate, NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surfaces coated with this product.
Hand protection	Use suitable impervious rubber or vinyl 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.
Skin and body protection	Prevent contact with shoes and clothing. Use rubber apron and overshoes.
Protective measures	Other equipment not normally required. Use professional judgment in the selection, care, and use.
Engineering measures	Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

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## Section VIII - Exposure Controls / Personal Protection

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
Triethanolamine	102-71-6	ACGIH TWA:	5 mg/m <sup>3</sup>	

## Section IX - Physical and Chemical Properties

Form	Liquid
Color	Off-White to White
pH	7-8
Vapour pressure	Not available.
Vapor density	Heavier than air
Melting point/range	Not available.
Freezing point	32°F, 0°C
Boiling point/range	212 °F, 100 °C
Water solubility	Soluble
Specific Gravity	1.04
% Volatile Weight	57.4 %

## Section X - Reactivity / Estability

Substances to avoid :	Strong acids.Strong bases.
Stability:	Stable
Hazardous polymerization :	Will not occur.

## Section XI - Toxicological Information

Triethanolamine, CAS-No.: 102-71-6 Acute oral toxicity (LD-50 oral)	8,680 mg/kg ( Rat ) 8,000 mg/kg ( Guinea pig ) 6,400 mg/kg ( Rat )
Acute inhalation toxicity (LC-50)	1.8 mg/m <sup>3</sup> for 8 h ( Rat )
Acute dermal toxicity (LD-50 dermal)	20,000 mg/kg ( Rabbit ) > 2,000 mg/kg ( Rabbit )
Propylene Glycol n-Butyl Ether, CAS-No.: 5131-66-8 Acute oral toxicity (LD-50 oral)	3,300 mg/kg ( Rat ) 2,500 mg/kg ( Rat ) 5,200 mg/kg ( Rat ) 1,936 mg/kg ( Rat ) > 2,000 mg/kg ( Rat )
Acute inhalation toxicity (LC-50)	> 5.83 mg/l for 8 h ( Rat ) for 4 h ( Rat )
Acute dermal toxicity (LD-50 dermal)	3,133 mg/kg ( Rabbit ) 2,640 mg/kg ( Rat ) > 2,000 mg/kg ( Rat ) 1,400 mg/kg ( Rabbit )

## Section XII - Ecological Information

No Data Available

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## Section XIII - Disposal Considerations

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

## Section XIV - Transportation / Shipping Data

CFR / DOT: Not Regulated

TDG: Not Regulated

IMDG: Not Regulated

## Section XV - Regulatory Information

### North American Inventories:

All components are listed or exempt from the TSCA inventory.  
One or more components are listed on the NDSL.

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### U.S. Federal Regulations:

SARA 313 Components None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :  
Triethanolamine 102-71-6

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

OSHA Flammability : Not Regulated

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 34 g/l

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## Section XV - Regulatory Information

### U.S. State Regulations:

#### MASS RTK Components :

Triethanolamine	CAS: 102-71-6
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#### Penn RTK Components :

Water:	CAS: 7732-18-5
Polyacrylate Resin and Reactive Diluent:	NJ TSRN# 51721300-6051P
Triethanolamine:	CAS: 102-71-6

#### NJ RTK Components :

Water:	CAS: 7732-18-5
Polyacrylate Resin and Reactive Diluent:	NJ TSRN# 51721300-6051P
Triethanolamine:	CAS: 102-71-6
Propylene Glycol n-Butyl Ether:	CAS: 5131-66-8

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:  
None known.

## Section XVI - Other Information

HMIS Rating :	HEALT	2	0 = Minimum
	FLAMMABILITY	1	1 = Slight
	REACTIVITY	1	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.

### Legend

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