QC CONSTRUCTION PRODUCTS®
QUALITY ARCHITECTURAL CONCRETE

SAFETY DATA SHEET

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	G

Section I - Product Identification

Date. 2016

Product Name:	QC Crack Repair Kit Part A
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	N/A
Chemical Family:	Epoxy resins, diluent
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	Epoxy resin mixture
Appearance & Odor:	Black or blue-gray liquid, slight 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. Vapor and/or misrt may irritate nose and throat. may cause allergic respiratory sensitization. Move to fresh air. If required, artificial repiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overesposure. If simptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen and seek immediate medical attention.

Skin Contact: Wash with soap and water; get medical attention if irritation persists.

Eye Contact: Flush with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Ingestion: Do not induce vomiting. Give at least two glasses of water, get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid to lungs. Do not give anything by mouth to an unconscious person.

Aggravated Medical Conditions

Pre-esxisting eye, skin and respiratory disorders may be aggraveted by exposure.

Chronic Health Effects

Overeexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Lung,

Section III - Product Composition

Composition	%	CAS Number
Epoxy Resin	58 - 68	25068-38-6
Epoxy Resin	6 - 11	54208-63-8
Aliphatic Glycidyl Ether	8 - 12	74398-71-3
Dinonyl Phenol (DNP)	12 - 22	1323-65-5
Cresyl Glycidyl Ether	2 - 6	2210-79-9

SAFETY DATA SHEET

Section IV - First Aid Measures

Get immediate medical attention for any significant overexposur

Inhalation :	Remove victim from exposure. If difficulty with breathing, administer oxygen and seek immediate medical attention.
Eye contact :	Wash with soap and water; get medical attention if irritation persists.
Skin contact :	Flush with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Ingestion :	Do not induce vomiting. Give at least two glasses of water, get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid to lungs. Do not give anything by mouth to an unconscious person.

Section V - Fire Fighting Measure

Flash point :	365 °F, 185 °C
Method :	Not available.
Lower explosion limit :	Not available.
Upper explosion limit :	Not available.
Autoignition temperature :	Not available.
Extinguishing media :	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products:	Carbon monoxide and carbon dioxide can form.Smoke,fumes.Hydrocyanic acid and nitrogen oxides can form.
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

Use appropriate protective equipment. Avoid contact with material. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

Section VII - Handling and Storage

Store under normal warehouse conditions. Change soiled work clothes frequently. Clean hands thoroughly after handling. 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.

Section VIII - Exposure Controls / Personal Protection

Personal Protective Equipment

Respirator:	N/A
Ventilation:	Recommended. Air movement must be designed to insure turnover at all locations in work area to prevent build-up of heavy vapors.
Special:	N/A
Protective Gloves:	Depending on operation
Eye Protection:	Yes
Other Protective Clothing Required:	Depending on operation

Work/Hygiene Practices
Wash hands after use and before eating, drinking or smoking.

Section VIII - Exposure Controls / Personal Protection

Chemical Name:	CAS Number:	Regulatión:	Limit:	Form:
2-Propanol	67-63-0	ACGIH TWA: ACGIH STEL:	200 ppm 200 ppm	

Section IX - Physical and Chemical Properties

Form :	Liquid
Color :	Clear
Odor :	Characteristic
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 :	1.15
% Volatile Weight :	0.5 %

Section X - Reactivity / Estability

Substances to avoid :	Strong acids.Strong bases.Amines.Water or moisture.Alcohols.
Stability:	Material is stable under normal storage, handling, and use.
Hazardous polymerization :	Will not occur under normal conditions.

Section XI - Toxicological Information

2-Propanol, CAS-No.: 67-63-0 Acute oral toxicity (LD-50 oral)	4,700 - 5,800 mg/kg (Rat) 6,410 mg/kg (Rabbit) 4,797 mg/kg (Dog) 3,600 mg/kg (Mouse) 8,000 mg/kg (Rabbit) 5,045 mg/kg (Rat) 4,797 mg/kg (Dog) 3,600 mg/kg (Mouse) 6,410 mg/kg (Rabbit) 8,000 mg/kg (Rabbit) 4,700 - 5,800 mg/kg (Rat) 5,045 mg/kg (Rat) 5.84 g/kg (Rat)
Acute dermal toxicity (LD-50 dermal)	5,030 - 7,900 mg/kg (Rabbit) 12,800 mg/kg (Rabbit) 5,030 - 7,900 mg/kg (Rabbit) 12,800 mg/kg (Rabbit)

Section XII - Ecological Information

No Data Available

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

U.S. Federal Regulations:

SARA 313 Components :	None present or none present in regulated quantities.
SARA 311/312 Hazards :	Acute Health Hazard
Chronic Health Hazard	

OSHA Hazardous Components :	
2-Propanol	67-63-0
Hexamethylene diisocyanate (HD	822-06-0
Methanol	67-56-1

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

OSHA Flammability : IIIB

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

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
2-Propanol 67-63-0

Section XV - Regulatory Information

U.S. State Regulations:

Penn RTK Components :

Homopolymer of HDI	CAS: 28182-81-2

NJ RTK Components :

Homopolymer of HDI	CAS28182-81-2
Diisocyanate	CAS 666723-27-9
2-Propanol	CAS 67-63-0

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.

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
OSHA - Occupational Safety and Health Administration

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, CCInfoWeb Databases, 2015 (Chempendium, HSDB, RTECs).
4. Material Safety Data Sheet from manufacturer.
5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.
5. 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.