

SAFETY DATA SHEET



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Section I - Product Identification

Date: 2016

Product Name:	QC VOC 100 WB
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 (Non-Hazardous)
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 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.

Acute Potential Health Effects/ Routes of Entry

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

Glycol ethers caused anemia and other blood abnormalities, kidney, liver and lung effects in experimental animals. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Section III - Product Composition

Composition	Weight %	CAS Number
Water	74-84	7732-18-5
Ammonia salt of modified styrene acrylic polymers	15-25	Proprietary
2-Butoxyethanol Glyco Ether	1-2	111-76-2

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Section IV - First Aid Measures

Get immediate medical attention for any significant overexposure.

Inhalation:	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.
Skin Contact:	Remove contaminated clothing and shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.
Eye Contact:	Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.
Ingestion:	Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get immediate medical attention.

Section V - Fire Fighting Measure

Flash point	Not available.
Method	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 now. Contain spill. Keep out 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 contained 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

Control Parameters

Occupationals Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
2-Butoxyethanol (Glycol ether)	TWA	20 ppm	US. ACGIH Threshold Limit Values (2011)
	PEL	50 ppm	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Chemical Name	Type	Exposure Limit Values	Source
2-Butoxyethanol (Glycol ether)	TWA	20 ppm	Canada. British Columbia OEL.s. (Occupational Exposure Limits for Chemical Substances, Occupational Health and safety Regulation 296/97, as amended) (07 2007)
	TWAEV	20 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
2-Butoxyethanol (Glycol ether)	TWA	20 ppm 97 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

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Section VIII - Exposure Controls / Personal Protection

Personal Protective Equipment



Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-butoxyethanol (Glycol ether) (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: Enf of shift.)	200 mg/g (Cretinine in urine)	ACGIH BEL (03 2013)
Appropriate Engineering controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.	

Section IX - Physical and Chemical Properties

Form:	Liquid
Color:	Clear to White
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:	Soluble
Specific Gravity:	1.0
% Volatile Weight:	63.7 %

Section X - Reactivity / Estability

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

Section XI - Toxicological Information

2-Butoxyethanol (Glycol ether), CAS-No.: 111-76-2

Acute oral toxicity (LD-50 oral)	1,200 mg/kg (Mouse) 320 mg/kg (Rabbit) 1,200 mg/kg (Guinea pig) 1,480 mg/kg (Rat) 2,600 mg/kg (Rat) 2,420 mg/kg (Rat) 880 mg/kg (Rat) 1,230 mg/kg (Mouse) 1,200 mg/kg (Guinea pig) 1,414 mg/kg (Guinea pig) 2,005 mg/kg (Mouse) 1,480 mg/kg (Rat) 615 mg/kg (Rat) 1,519 mg/kg (Mouse) 695 mg/kg (Rabbit) 1,414 mg/kg (Guinea pig) 1,746 mg/kg (Rat) 500 mg/kg (Guinea pig) > 695mg/kg (Dog)>530-<2,800mg/kg (Rat) >1,000-< 2,000mg/kg (Rat)>560-<3,000mg/kg (Rat)
Acuteinhalationtoxicity(LC-50)	(Rat) for7h (Guineapig) for7h (Mouse) for7h (Dog) for4h (Rat) for1h (Guineapig)>= 3.34mg/lfor1 h (Guineapig) for4h (Rat)>=3.06mg/lfor1h (Guinea pig)>4.9mg/l (Rat) (Rat) (Rat) for7h (Rabbit) (Rat) for1h (Guineapig) (Rat)
Acute dermal toxicity (LD-50 dermal)	400 mg/kg (Rabbit) 6,411 mg/kg (Guinea pig) > 2,000 mg/kg (Rat) 841 mg/kg (Rabbit) > 1,200 mg/kg (Guinea pig) > 2,000 mg/kg (Guinea pig) 667 mg/kg (Rabbit) > 2,000 mg/kg (Rabbit) 435 mg/kg (Rabbit) 1,060 mg/kg (Rabbit)

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Section XII - Ecological Information

Acute hazard to the aquatic environment:

Fish

Product: No data available

Specified substance(s):

2-Butoxyethanol (Glycol ether) LC 50 (Bluegill (*Lepomis macrochirus*), 96h): 1,490 mg/l Mortality.

Aquatic Invertebrates

Product: No data available

Specified substance(s):

2-Butoxyethanol (Glycol ether) LC 50 (Water flea (*Daphnia magna*), 24h): 1,720 mg/l Mortality.

Chronic hazards to the aquatic environment:

Fish

Product: No data available

Specified substance(s):

2-Butoxyethanol (Glycol ether) NOAEL (Danio rerio, 21 d): > 100 mg/l experimental result.

Aquatic Invertebrates

Product: No data available

Toxicity to Aquatic Plants

Product: No data available

Persistence and Degradability

Biodegradation

Product: No data available

BOD/COD Ratio

Product: No data available

Section XIII - Disposal Considerations

Disposal Method. Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

Section XIV - Transportation / Shipping Data

CFR / DOT:

Not Regulated

TDG:

Not Regulated

IMDG:

Not Regulated

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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 :	2-Butoxyethanol (Glycol ether)	111-76-2
SARA 311/312 Hazards :	Acute Health Hazard	
OSHA Hazardous Components :		
2-Butoxyethanol (Glycol ether)	Ethylene glycol	111-76-2
Ammonium hydroxide		1336-21-6
n-Butanol		71-36-3
Formaldehyde		50-00-0
Ethylene oxide		75-21-8
Propylene oxide		75-56-9
p-Dioxane		123-91-1
OSHA Status: Considered : hazardous based on the following criteria:	Irritant	
OSHA Flammability :	Not Regulated	
Regulatory VOC (less water and exempt solvent)	78g/l	
VOC Method 310	3.08%	

U.S. State Regulations:

MASS RTK Components :	2-Butoxyethanol (Glycol ether)	111-76-2
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Penn RTK Components :	Water	7732-18-5
	Acrylic latex polymer	PROPRYETARY
	Non-ionic surfactant	PROPRYETARY
	2-Butoxyethanol (Glycol ether)	111-76-2

NJ RTK Components :	Water	7732-18-5
	Acrylic latex polymer	PROPRYETARY
	Non-ionic surfactant	PROPRYETARY
	2-Butoxyethanol (Glycol ether)	111-76-2

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

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

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.

HMIS Rating :

Health	1	0 = Minimum
Flammability	0	1 = Slight
Reactivity	0	2 = Moderate
PPE		3 = Serious
		4 = Severe

Before using this product:

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

10.05M QC VOC 100 WB