

SAFETY DATA SHEET



HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	E

Section I - Product Identification

Date: 2016

Product Name:	QC Surpro WB Part A
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. Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization. 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 : Vapor and/or mist may irritate nose and throat. May cause allergic respiratory sensitization.

Eyes : Vapor and/or mist may cause eye irritation. May cause sensitization.

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

Skin : May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

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

Chronic Health Effects

Overexposure 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: Lung, Skin, Eye

Section III - Product Composition

Composition	CAS Number	Weight %
Homopolymer of HDI	28182-81-2	> 60.0
Diisocyanate	666723-27-9	1.0 - 5.0
2-Propanol	67-63-0	0.1 - 1.0

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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 : 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



Personal protection equipment

Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear appropriate, properly fitted air purifying respirator with combination particulate filter and vapor/gas removing cartridge when airborne contaminant level(s) exceed exposure limits indicated on the MSDS, or product is spray applied.

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

Skin and body protection : Prevent contact with shoes and clothing.

Protective measures : Use professional judgment in the selection, care, and use.

Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the SDS

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
2-Propanol	67-63-0	ACGIH TWA: ACGIH STEL:	200 ppm 400 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

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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.

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: Irritant
hazardous based on the Carcinogen
following criteria:

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

U.S. State Regulations:

Penn RTK Components : Homopolymer of HDI 28182-81-2

NJ RTK Components : Homopolymer of HDI 28182-81-2

Diisocyanate 666723-27-9

2-Propanol 67-63-0

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

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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 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

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 10.05M
Antiquing Release and the product label.

QC Surpro WB Part A

SAFETY DATA SHEET



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

Section I - Product Identification

Date: 2016

Product Name:	QC Surpro WB Part B
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

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.

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

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

Section III - Product Composition

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

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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 :	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 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

Personal Protective Equipment



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.

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Section VIII - Exposure Controls / Personal Protection

- 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.

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
Triethanolamine	102-71-6	ACGIH TWA:	5 mg/m3	

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/m3 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. Dispose of 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.

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

U.S. State Regulations:

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

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

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Section XVI - Other Information

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

Further information:

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DOT - Department of Transportation RTK - Right To Know
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NIOSH - National Institute for Occupational Safety and Health VOC - Volatile Organic Compound
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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
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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

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QC Surpro WB Part B