

# SAFETY DATA SHEET



HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

## Section I - Product Identification

Date: 2016

Product Name:	QC Liquid Release Advantage
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:	Petroleum Distillates, N.O.S., 3, UN1268, III
Appearance & Odor:	Clear liquid, mild bubble gum 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.

## Section III - Product Composition

Composition	Weight	CAS Number
Petroleum Destilates	> 60	64742-47-8

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## Section IV - First Aid Measures

Inhalation:	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get 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 medical attention.
Note to Physicians:	If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victims head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

## Section V - Fire Fighting Measure

Flash point :	142 °F, 61 °C
Method :	Tag Closed Cup
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:	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, non explosion 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 other 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 Protection 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:
Petroleum Destilates	64742-47-8	ACGIH TWA:	200 mg/m <sup>3</sup>	Non-aerosol, as total hydrocarbon vapor

## Section IX - Physical and Chemical Properties

Specific Gravity (H <sub>2</sub> O=1):	0.758 @ 60 °F (15 °C)
Boiling Point:	354 °- 369 °F (179 °- 190 °C)
Melting Point:	N/A
Vapor Pressure:	1.9 mm Hg @ 100 °F (37.7 °C)
Vapor Density:	5.4 (Air=1)
Evaporation Rate:	< 0.1 (Butyl Acetate=1)
Solubility In Water:	Immiscible

## Section X - Reactivity / Estability

Reactivity:	Stable
Incompatibilities:	N/A
Decomposition or Byproducts:	Carbon monoxide and unidentified organic compounds may be formed during combustion.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Heat, sparks and flames.

## Section XI - Toxicological Information

Petroleum distillates, CAS-No.: 64742-47-8

Acute oral toxicity (LD-50 oral)

> 20,000 mg/kg ( Rat ) > 5,000 mg/kg ( Rat ) > 5,000 mg/kg ( Rat ) > 5,000 mg/kg ( Rat )

Acute inhalation toxicity (LC-50)

> 6.4 mg/l for 6 h ( Cat ) > 6.03 mg/l for 4 h ( Rat ) > 5.28 mg/l for 4 h ( Rat ) > 4.3 mg/l for 4 h ( Rat ) > 7.5 mg/l for 6 h ( Rat ) > 0.1 mg/l for 8 h ( Rat ) > 5.2 mg/l for 4 h ( Rat ) > 5.3 mg/l for 4 h ( Rat ) > 5.68 mg/l for 4 h ( Rat ) > 4.5 mg/l for 4 h ( Rat ) > 4.6 mg/l for 4 h ( Rat )

Acute dermal toxicity (LD-50 dermal)

> 2,000 mg/kg ( Rabbit ) > 2,000 mg/kg ( Rabbit ) > 2,000 mg/kg ( Rabbit ) > 4,000 mg/kg ( Rabbit ) > 2,000 mg/kg ( Rabbit ) > 2,000 mg/kg ( Rabbit )

## Section XII - Ecological Information

Ecotoxicity: COD: products of Biodegradations: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

## Section XIII - Disposal Considerations

Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility

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## Section XIV - Transportation / Shipping Data

DOT Hazard Class:

Class 3: Flammable Liquid

Identification: UN1268

Special Provisions for Transport: Marine Pollutant

## 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 Fire Hazard

OSHA Hazardous Components :

Petroleum distillates 64742-47-8

OSHA Status:

Considered hazardous based on the following criteria: Irritant

OSHA Flammability : IIIA

Regulatory VOC (less water and exempt solvent): 798 g/l

VOC Method 310 : 0.00 %

### U.S. State Regulations:

MASS RTK Components :	Petroleum distillates	64742-47-8
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Penn RTK Components :	Petroleum distillates	64742-47-8
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NJ RTK Components :	Petroleum distillates	64742-47-8
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Components under California Proposition 65: None known.

## Section XVI - Other Information

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

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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 Substances 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, CCHInfoWeb 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	5. 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.

Before using this product :

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

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QC LIQUID RELEASE ADVANTAGE