

SAFETY DATA SHEET



HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	II

Section I - Product Identification

Date: 2016

Product Name:	QC Interior Floor Strip
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:	Corrosive Liquid, N.O.S., (Contains Ethanolamine, Potassium Hydroxide) 8, UN1760, PG III
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	956 622 7677

Product Use:

Section II - Hazards Identification

Hazard Symbol:



HEALTH

Acute toxicity:	Category 5 (Oral)
Skin Corrosion/Irritation:	Category 1
Serious Eye Damage/Eye Irritation:	Category 1

ENVIRONMENTAL

Acute Toxicity:	None Known
Chronic Toxicity:	None Known

PHYSICAL

Corrosive to Metals:	Category 1
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Hazard Statements

Causes severe skin burns and eye damage. May be harmful if swallowed or inhaled. May be corrosive to metals

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe mists, vapors or spray.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or Physician.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Immediately call a Poison Center or Physician. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or Physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Center or Physician.

Store in a closed, original container in a well ventilated area.

Dispose of contents/container in accordance with local regulation.

Section III - Product Composition

Composition	CAS Number	Weight
2-BUTOXYETHANOL	111-76-2	4-6%
2-AMINOETHANOL	141-43-5	8-12%
POTASSIUM HYDROXIDE	1310-58-3	4-6%
NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	0.5-1.0%

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Section IV - First Aid Measures

Eye Contact: Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or Physician.
Skin Contact: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Immediately call a Poison Center or Physician. Wash contaminated clothing before reuse.
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or Physician.
Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Center or Physician.
Store in a closed, original container in a well ventilated area

Section V - Fire Fighting Measure

Fire Extinguishing media: Use dry chemical, carbon dioxide or water spray. For larger fires use regular foam, dry chemical, carbon dioxide or water spray. Move containers away from fire area if it can be done without risk. From a safe distance and keeping upwind, apply flooding amounts of water to sides of container exposed to fire for cooling purposes until well after the fire is extinguished. Stay away from tanks engulfed in flames. (Emergency Response Guidebook Guide #154)
Hazards during fire-fighting:
Containers may rupture when exposed to extreme heat.
Protective equipment for fire-fighting:
Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

Section VI - Accidental Release Measures

Personal precautions:
Use recommended personal protective clothing and equipment. To prevent slipping, do not walk through spilled material.
Environmental precautions:
Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area. Material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.
Cleanup:
- For small amounts of released material: Mop or vacuum up then transfer to suitable container for disposal. - For large amounts of released material: Dike around spilled material to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.

Section VII - Handling and Storage

Handling:
General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.
Storage:
General advice - Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area. Do not allow product to freeze.
Shelf Life:
12 months minimum

Section VIII - Exposure Controls / Personal Protection

Personal Protection Equipment:



Advice on system design:

Provide local exhaust ventilation to control vapors/mist for published exposure limits.

Personal protective equipment (HMIS rating 'H'):

Eye protection: Wear splash-proof safety goggles to prevent exposure.

Skin protection: Chemical-resistant gloves and chemical-resistant, high traction footwear. Wear appropriate protective (impervious) clothing equipment to prevent possible skin contact.

Respiratory protection: Use proper NIOSH-OSHA respirator for contamination levels found in work area or if ventilation is inadequate.

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Section VIII - Exposure Controls / Personal Protection

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 20 ppm (111-76-2), 3 ppm (141-43-5) and 2 mg/m³ (1310-58-3)

STEL: 6 ppm (141-43-5)

OSHA PEL: 50 ppm- Skin (111-76-2), 3 ppm (141-43-5) and 2 mg/m³ (1310-58-3)

Section IX - Physical and Chemical Properties

Appearance: Clear colorless Liquid	Flash Point: > 200°F
Odor: Citrus	Upper/Lower Flammability Limits: No information available
pH value: 14.0 (Concentrate) 12.5 ± 0.2 (1:10 dilution)	Relative Density (water): 1.02
	Auto-Ignition Temperature: No information available
	Decomposition temperature: No information available
Specific gravity: 1.02 (H ₂ O = 1)	Partition Coefficient No information available
Solidification temperature: No information available	Odor Threshold No information available
Freezing/Melting point: 32 °F (0 °C)	Viscosity: < 10 cps.
Boiling point: 212°F (100 °C)	Partition Coefficient No information available
Vapor density: No information available	Solubility in water: 100%
Vapor pressure: No information available	Evaporation Rate: No information available
Regulatory VOC: 29.6% by weight (concentrate) 2.7 % by weight (at routine use concentration – 1:10 dilution)	

Section X - Reactivity / Stability

Conditions to avoid:	Excessive heat or flame.
Substances to avoid:	Strong acids, oxidizers (e.g., bleach).
Hazardous reactions:	Product is chemically stable. Reaction with strong acids may generate high heat.
Decomposition or By-products:	In fire conditions: carbon monoxide (CO), carbon dioxide (CO ₂) nitric oxides (NO _x) and ammonia.
Corrosion to metals:	Minimize contact with aluminum, copper and copper alloys.

Section XI - Toxicological Information

Acute Toxicity (Symptoms):

Ingestion: May be harmful if swallowed. Burns of the mouth, throat, esophagus and stomach. Pain, nausea, vomiting and diarrhea.

Eye Contact: Can cause serious eye damage. Severe irritation, conjunctivitis, redness. Contact may cause permanent eye damage.

Skin Contact: Can cause severe skin damage. Irritation, inflammation, ulceration, necrosis and possible chemical burns.

Inhalation: May be harmful if inhaled. May cause respiratory irritation including nasal and throat discomfort.

Numerical Measures of Toxicity:

Calculated Acute Toxicity Estimates (ATE) based on available information.

ATE_{mix} (oral): 2245 mg/kg

Chronic Toxicity:

Other information: No components present at 0.1% or greater are considered carcinogens by ACGIH, IARC, NTP or OSHA.

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Section XII - Ecological Information

Biodegradation:
Test method: Unspecified
Analysis method: Unspecified
Degree of elimination: Expected to be biodegradable.

Environmental toxicity:
Acute and prolonged toxicity to fish: Not Established
Toxicity to microorganisms: Not Established
Other ecotoxicological advice: Not Established

Section XIII - Disposal Considerations

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA: Unspecified.

Section XIV - Transportation / Shipping Data

DOT:
UN/ID No: 1760
Proper Shipping Name: CORROSIVE LIQUID, N.O.S., (CONTAINS ETHANOLAMINE, POTASSIUM HYDROXIDE)
Hazard Class: 8
Packing Group: III

Section XV - Regulatory Information

Federal Regulations:

Registration status:
TSCA, US: All components are listed or exempt.

SARA hazard category (EPCRA 311/312): Acute health hazard

SARA TITLE III, SECTION 313:
CAS Number: 111-76-2
Chemical Name: 2-Butoxyethanol

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm
CAS Number: 111-42-2
Chemical Name: Diethanolamine (May contain trace levels)

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Section XVI - Other Information

HMIS Rating :

Health 3
Flammability 0
Reactivity 0
PPE

0 = Minimum
1 = Slight
2 = Moderate
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
OSHA - Occupational Safety and Health Administration

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 Substances 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.
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.

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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 Interior Floor Strip