

SAFETY DATA SHEET



HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

Section I - Product Identification

Date: 2016

Product Name:	QC Heavy Duty Color Hardener - All Colors
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	Surface hardener, concrete floor hardener
Chemical Family:	Mixture
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	N/A
Appearance & Odor:	Gritty powder of various colors, earthen odor.
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	956 622 7677
Product Use:	

Section II - Hazards Identification

Hazard Symbol:



Inhalation:	Short-term exposure can cause coughing or shortness of breathe. Long- term exposure can cause permanent lung damage, chest pains, reduced breathing capacity and silicosis. Symptoms of silica overexposure are dyspnea, caused by lung scars, which develop from silica dust. Persons with existing pulmonary disorders should avoid breathing any dust during the use of this product.
Skin Contact:	Prolonged contact may cause irritation or rash.
Eye Contact:	Irritation, may scratch and damage cornea.
Ingestion:	Irritation, gagging, coughing, choking.
Aggravated Medical Conditions:	Persons with existing pulmonary disorders must avoid breathing any dust generated during the use of this product.

Section III - Product Composition

Composition	% Weight	CAS Number
Non-hazardous anionic Disperants	1.0 - 5.0	Not Available
Portland Cement	30 - 60	65977-15-1
Crystalline Silica Quartz	> 60	14808-60-7
Iron Oxides	1.0 - 5.0	1309-37-1
	1.0 - 5.0	51274-00-1
	1.0 - 5.0	1317-61-9
Chrome Oxide	1.0 - 5.0	1308-38-9
Cobalt Oxide	1.0 - 5.0	1307-96-6
Titanium Dioxide	1.0 - 5.0	13463-67-7

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Section IV - First Aid Measures

- Inhalation: Remove from area; administer artificial respiration by qualified person if breathing has stopped. Give immediate medical attention.
- Skin Contact: Wash with soap and water as normal. If irritation develops, seek medical attention.
- Eye Contact: Flush with large doses of water for 15-20 minutes. Seek immediate medical attention.
- Ingestion: Do not induce vomiting; seek medical attention immediately.

Section V - Fire Fighting Measure

- Flash Point: N/A
- Flammable Limits: N/A
- Firefighting Media: N/A
- Special Firefighting Procedure: N/A
- Unusual Fire Hazards: None

Section VI - Accidental Release Measures

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

Section VII - Handling and Storage

Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store in sealed containers in a cool, dry, ventilated warehouse location.

Section VIII - Exposure Controls / Personal Protection

Personal Protection Equipment



- Respirator: NIOSH-approved dust respirator for 5 x PEL or less, as specified in OSHA CFR 29 1910.134.
- Ventilation: Use local exhaust to meet published exposure limits.
- Special: N/A

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Section VIII - Exposure Controls / Personal Protection

Protective Gloves: Wear appropriate protective gloves.
Eye Protection: If working in confined area where dust is heavy, it is advised to wear safety goggles or glasses with side shields to reduce exposure.
Other Protective Clothing Required: Optional - coveralls to reduce skin contact and keep personal clothing free of dust.

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
IRON OXIDES	1309-37-1	ACGIH TWA:	10 mg/m3	
	51274-00-1	OSHA PEL:	15 mg/m3	Total dust.
	1317-61-9	OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
CHROME OXIDE		OSHA PEL:	0.5 mg/m3	Total dust.
COBALT OXIDE	1307-96-6	OSHA/PEL:	0.1 mg(Co)/m3	Total dust.
TITANIUM OXIDE	13463-67-7	ACGIH TWA:	10 mg/m3	
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.

Section IX - Physical and Chemical Properties

Specific Gravity (H2O=1): 1.8
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Solubility In Water: N/A

Section X - Reactivity / Estability

Reactivity: Stable
Incompatibilities: Contact with oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride may cause fires.
Decomposition or Byproducts: Silica will dissolve in hydrofluoric acid and produce a corrosive gas - silicon tetrafluoride.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None

Section XI - Toxicological Information

No Data Available

Section XII - Ecological Information

No Data Available

Section XIII - Disposal Considerations

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

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Section XIV - Transportation / Shipping Data

DOT Hazard Class:

Not regulated

Section XV - Regulatory Information

U. S. Federal Regulations:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training, and access to written records. It is your legal duty to make all information in this **Material Safety Data Sheet** available to your employees.

State Regulations:

State of California **Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**; WARNING: This product contains one or more chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

International Regulations:

Consult the regulations of the importing country.

TITANIUM OXIDE	13463-67-7
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MASS RTK Components :	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Portland cement	65997-15-1
	Titanium dioxide	13463-67-7
	Iron Oxides:	1309-37-1
		51274-00-1
		1317-61-9
	Chrome Oxide:	1308-38-9
	Cobalt Oxide:	1307-96-6

Penn RTK Components :	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Portland cement	65997-15-1
	Titanium dioxide	13463-67-7
	Iron Oxides:	1309-37-1
		51274-00-1
		1317-61-9
	Chrome Oxide:	1308-38-9
	Cobalt Oxide:	1307-96-6

NJ RTK Components :	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Portland cement	65997-15-1
	Titanium dioxide	13463-67-7
	Iron Oxides:	1309-37-1
		51274-00-1
		1317-61-9
	Chrome Oxide:	1308-38-9
	Cobalt Oxide:	1307-96-6

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Section XVI - Other Information

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

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.

10.05M

QC HD COLOR HARDENER