

# SAFETY DATA SHEET



HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D

## Section I - Product Identification

Date: 2016

Product Name:	QC Patina Stain "Neptune"
Company	QC Construcion Products 11901, Gavin Rd, Laredo Tx, 78045
Chemical Name:	Inorganic acid
Chemical Family:	Inorganic salts/acids
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	Corrosive liquid, acidic, inorganic, N.O.S., (Hydrochloric Acid, Solution), 8, UN3264, PGIII, ERG#153
Appearance & Odor:	Light brown liquid, chlorine 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

Liquid. May cause mucous membrane irritation. 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 mucous membrane irritation.
Eyes :	May cause irreversible damage and burns to the eyes.
Ingestion :	May cause burns to lips, tongue, oral mucosa, esophagus and stomach.
Skin :	May cause severe burns, blistering and skin damage.

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.

Target Organs:

Skin, Lung, Eye

## Section III - Product Composition

Composition	Weight	CAS Number
Water	Proprietary	40-70
Hydrogen Chloride	Proprietary	0-15
Chromic acid , disodium salt	Proprietary	0-10
Copper chloride	Proprietary	10-30

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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 at least 15 minutes while holding eye lids apart. Get medical attention immediately.

Skin contact : Remove from skin and immediately flush with water for 15 minutes. Get medical attention.

Ingestion : Get medical attention. Do not induce vomiting.

## Section V - Fire Fighting Measure

Flash point :	Not available.
Method :	Not available.
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, carbon dioxide, and nitrogen oxides.
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

Neutralize with alkaline material. Do not store in steel drums. Absorb spill in sand, earth or other suitable material.

## 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. Change soiled work clothes frequently. Clean hands thoroughly after handling. Store under normal warehouse conditions in sealed containers. Do not store or use near food.

## Section VIII - Exposure Controls / Personal Protection

### Personal Protection Equipment



Respiratory protection :	Use full engineering controls before relying on personal protective equipment.
Hand protection :	Protect hands with impervious gloves.
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.
Skin and body protection :	Prevent contact with shoes and clothing. Use rubber apron and overshoes.

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## Section VIII - Exposure Controls / Personal Protection

Protective measures :	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.

### Work/Hygiene Practices

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.

Chemical Name:	CAS Number:	Regulation:	Limit:	Form:
Ferrous Chloride	7758-94-3	ACGIH TWA:	1 mg/m3	Fe

## Section IX - Physical and Chemical Properties

Form :	Liquid
Color :	Neptune
Odor :	Pungent
pH :	< 1
Vapour pressure :	Not available.
Vapor density :	Not available.
Melting point/range :	Not available.
Freezing point :	Not available.
Boiling point/range :	Not available.
Water solubility :	Not available.
Specific Gravity :	1.1344
% Volatile Weight :	78.3 %

## Section X - Reactivity / Estability

Substances to avoid : Metal.Strong bases.Oxidizing agents.

Stability : Stable

Hazardous polymerization : Will not occur.

## Section XI - Toxicological Information

Hydrogen chloride,	CAS-No.: 7647-01-0
Acute oral toxicity	(LD-50 oral) 900 mg/kg ( Rabbit )
Acute inhalation toxicity	(LC-50) 3,124 mg/l for 1 h ( Rat ) 1,108 mg/l for 1 h ( Mouse )
Acute dermal toxicity	(LD-50 dermal) 1,449 mg/kg ( Mouse )

## Section XII - Ecological Information

No Data Available

## Section XIII - Disposal Considerations

RCRA Class :	D007: Reportable Quantity = 10 lbs. Chromium This classification applies only to the material as it was originally produced.
Disposal Method :	Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

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## Section XIV - Transportation / Shipping Data

CFR / DOT: UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric Acid), 8, PG III

TDG: UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid), 8, PG III

IMDG: UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid), 8, PG III

Further Information: The above shipping description.

## 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 :  
Copper Chloride CAS: 7447-39-4  
Hydrogen chloride CAS: 7647-01-0  
Chromic acid , disodium salt CAS: 10588-01-9

SARA 311/312 Hazards : Acute Health Hazard  
OSHA Hazardous Components :  
Copper Chloride CAS: 7447-39-4  
Hydrogen chloride CAS: 7647-01-0  
Chromic acid , disodium salt CAS: 10588-01-9

OSHA Status: Considered hazardous based on the following criteria: Irritant  
OSHA Flammability : Not Regulated  
Regulatory VOC (less water and exempt solvent) : 0 g/l  
VOC Method 310 : 0.00 %

### U.S. State Regulations:

MASS RTK Components :

Copper Chloride	CAS: 7447-39-4
Hydrogen chloride	CAS: 7647-01-0
Chromic acid , disodium salt	CAS: 10588-01-9

Penn RTK Components :

Water	CAS: 7732-18-5
Copper Chloride	CAS: 7447-39-4
Hydrogen chloride	CAS: 7647-01-0
Chromic acid , disodium salt	CAS: 10588-01-9

NJ RTK Components :

Water	CAS: 7732-18-5
Copper Chloride	CAS: 7447-39-4
Hydrogen chloride	CAS: 7647-01-0
Chromic acid , disodium salt	CAS: 10588-01-9

Components under California Proposition 65: None known.

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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.

Prepared by: Rich Mikol

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, CCInfoWeb 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/Av: 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.

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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.

10.05M QC PATINA STAIN "NEPTUNE"