

MATERIAL SAFETY DATA SHEET

40-AS/HC

2008

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT IDENTIFICATION	DATE OF PREPARATION	HMIS CODES	
	18-JUN-08	Health	3*
H & C INFUSION® Reactive Concrete Stain		Flammability	0
		Reactivity	1
40.002004 40.002005	Wenge Wood		
40.002014 40.002015	Rusted Fence		
40.002024 40.002025	Black Coffee		
40.002034 40.002035	Crumbled Brick		
40.002044 40.002045	Potter's Wheel		
40.002054 40.002055	Lido Blue		
40.002064 40.002065	Potato Ivy		
40.002074 40.002075	Verdant Plain		
40.002084 40.002085	Sienna Red		
40.002094 40.002095	Mustard Seed		
40.002104 40.002105	Midas Gold		
40.002114 40.002115	Shore Gray		

MANUFACTURER'S NAME
H&C CONCRETE STAINS
101 Prospect Avenue N.W.
Cleveland, OH 44115

TELEPHONE NUMBERS and WEBSITES
Regulatory Information
(216) 566-2902 www.paintdocs.com
Medical Emergency
(216) 566-2917
Transportation Emergency for Chemical Emergency ONLY (spill, leak,
(800) 424-9300 fire, exposure, or accident)

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS
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HAZARDOUS INGREDIENTS IN EACH PRODUCT

Wenge Wood		Lido Blue	
7647-01-0	Hydrochloric Acid	7664-38-2	Phosphoric Acid
10588-01-9	Sodium Dichromate	7447-39-4	Copper Chloride
13446-34-9	Manganese Chloride Hydrate		
Rusted Fence		Potato Ivy	
7647-01-0	Hydrochloric Acid	7647-01-0	Hydrochloric Acid
10588-01-9	Sodium Dichromate	7447-39-4	Copper Chloride
13446-34-9	Manganese Chloride Hydrate		
7705-08-0	Ferric Chloride		
7758-94-3	Ferrous Chloride		
Black Coffee		Verdant Plain	
7647-01-0	Hydrochloric Acid	7647-01-0	Hydrochloric Acid
10588-01-9	Sodium Dichromate	7447-39-4	Copper Chloride
13446-34-9	Manganese Chloride Hydrate	7758-94-3	Ferrous Chloride
7705-08-0	Ferric Chloride		

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Crumbled Brick		Potter's Wheel	
7647-01-0	Hydrochloric Acid	7647-01-1	Hydrochloric Acid
7705-08-0	Ferric Chloride	7705-08-0	Ferric Chloride
7758-94-3	Ferrous Chloride	10588-01-9	Sodium Dichromate
Sienna Red		Mustard Seed	
7647-01-0	Hydrochloric Acid	7647-01-1	Hydrochloric Acid
7705-08-0	Ferric Chloride	7705-08-0	Ferric Chloride
7758-94-3	Ferrous Chloride	7758-94-3	Ferrous Chloride
10060-12-5	Chromium Trichloride		
Midas Gold		Shore Gray	
7647-01-0	Hydrochloric Acid	747-01-1	Hydrochloric Acid
7758-94-3	Ferrous Chloride	10060-12-5	Chromium Trichloride

EXPOSURE LIMITS FOR HAZARDOUS INGREDIENTS				
% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
<5	7647-01-0	Hydrochloric Acid		
		ACGIH TLV	5 ppm	CEILING
		OSHA PEL	Not Available	
<15	10588-01-9	Sodium Dichromate		
		ACGIH TLV	0.05 mg/m3	(as Cr)
		OSHA PEL	0.005 mg/m3	(as CrVI)
<35	10060-12-5	Chromium Trichloride		
		ACGIH TLV	0.05 mg/m3	(as Cr)
		OSHA PEL	0.005 mg/m3	(as CrVI)
<15	13446-34-9	Manganese Chloride Tetrahydrate		
		ACGIH TLV	0.2 mg/m3	
		OSHA PEL	3 mg/m3	STEL
<25	7705-08-0	Ferric Chloride		
		ACGIH TLV	1 mg/m3	
		OSHA TLV	1 mg/m3	
<10	7758-94-3	Ferrous Chloride		
		ACGIH TLV	1 mg/m3	
		OSHA TLV	1 mg/m3	
<10	7664-38-2	Phosphoric Acid		
		ACGIH TLV	1 mg/m3	
		ACGIH TLV	3 mg/m3	STEL
		OSHA PEL	1 mg/m3	
		OSHA PEL	3 mg/m3	STEL
<30	7447-39-4	Copper Chloride		
		ACGIH TLV	1 mg/m3	
		OSHA PEL	1 mg/m3	

6.0 max Chromium VI (as Cr)

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor, spray mist, or sanding dust.

EYE or SKIN contact with the product, vapor, spray mist, or sanding dust.

INGESTION is not an expected route of exposure

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EFFECTS OF OVEREXPOSURE

EYES: Causes burns.

SKIN: Causes burns.

Contact with Chromium VI compounds may result in ulceration of the skin where skin cuts and abrasions already exist.

INHALATION: Causes burns of the upper respiratory system.

Inhalation of Chromium VI compounds may result in irritation of the nasal septum, throat and bronchial tubes.

INGESTION: Ingestion of Chromium VI compounds may result in gastrointestinal irritation. Jaundice and kidney damage has been reported.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Irritation of the upper respiratory system, such as cough, shortness of breath, wheezing and chest pain, may indicate exposure to airborne Chromium VI compounds.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Irritation of the digestive tract, such as nausea, vomiting and diarrhea, may indicate exposure to Chromium VI compounds.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

May cause allergic respiratory reaction in persons with impaired lung function or airway disease. May cause occupational asthma in sensitized persons.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water. If irritation persists or occurs later, get medical attention.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT

None

LEL

N.Ap.

UEL

N.Ap.

FLAMMABILITY CLASSIFICATION

Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

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Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY -- Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Before initial use, consult OSHA's 'Standard for Occupational Exposure to Chromium' (29 CFR 1910.1026).

Do not use this product near children or when children are playing. Use only with adequate ventilation. Prevent contact with skin and eyes. Wash hands after using. Insure that emergency showers and eye wash stations are readily available. Do not breathe vapor and spray mist.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted full-face acid gas N95 respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

For brush or roller application wear safety spectacles with unperforated sideshields beneath a face shield. During spray application wear full-face protection.

OTHER PROTECTIVE EQUIPMENT

Wear clothing that completely covers the arms and legs, and acid-resistant footwear. For spray application or if spattering is likely wear a chemical protective suit with hood recommended by the equipment supplier for protection against materials in Section 2.

For confined space application wear an encapsulated chemical protective suit recommended by the suit supplier for protection against materials in Section 2.

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 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	10.8-13.4 lb/gal	1300-1600 g/l
SPECIFIC GRAVITY	1.30-1.61	
BOILING POINT	<0 - 212 F	<-18 - 100 C
MELTING POINT	Not Available	
VOLATILE VOLUME	>50 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	<2	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)	0.0 lb/gal 0 g/l Less Federally Exempt Solvents	

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 Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable

CONDITIONS TO AVOID

Avoid contact with oxidizing or alkaline materials.

INCOMPATIBILITY

Oxidizers, alkaline materials.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION

Will not occur

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 Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Chromium VI compounds are listed by IARC, NPT, ACGIH and OSHA as known or confirmed human carcinogens. Epidemiological studies indicate that there is an increased risk of lung cancer from exposure to chromium VI compounds in the production of soluble chromates, chromate pigments and chrome plating industries. All chromate pigments used in paint have not been classified as carcinogenic to a varying degree. The actual risks arising from the use of paints containing chromium VI compounds relate to the inhalation of dust, spray mist, or contact with the skin and eyes. Employers should have regard to these risks when carrying out assessments to ensure that all hazards have been considered.

The following chronic effects have been reported as possibly linked to exposure to chromium VI compounds: cancer of the nasal cavity or stomach; allergic contact dermatitis and skin ulceration ("chrome sores") where skin cuts or abrasions already exist; ulceration of the mucus membranes of the nose which may progress to perforation of the nasal septum; kidney or liver damage; gastrointestinal ulcers; occupational asthma through respiratory sensitization; ulceration of the cornea and permanent eye damage.

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TOXICOLOGY DATA

CAS No.	Ingredient Name				
7647-01-0	Hydrochloric acid				
	LC50	RAT	4HR		Not Available
	LD50	RAT			Not Available
10588-01-9	Sodium Dichromate				
	LC50	RAT	4HR		Not Available
	LD50	RAT			50 mg/kg
13446-34-9	Manganese Chloride Hydrate				
	LC50	RAT	4HR		Not Available
	LD50	RAT			Not Available
7758-94-3	Ferrous Chloride				
	LC50	RAT	4HR		Not Available
	LD50	RAT			450 mg/kg
7705-08-0	Ferric Chloride				
	LC50	RAT	4HR		Not Available
	LD50	RAT			450 mg/kg
7664-38-2	Phosphoric Acid				
	LC50	RAT	4HR		Not Available
	LD50	RAT			1530 mg/kg
7447-39-4	Copper Chloride				
	LC50	RAT	4HR		Not Available
	LD50	RAT			584 mg/kg
10060-12-5	Chromium Trichloride				
	LC50	RAT	4HR		Not Available
	LD50	RAT			584 mg/kg

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Section 12 -- ECOLOGICAL INFORMATION-----

ECOTOXICOLOGICAL INFORMATION

No data available.

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Section 13 -- DISPOSAL CONSIDERATIONS-----

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for corrosivity to determine the applicable EPA Hazardous Waste number. Waste from products containing Chromate may also require extractibility testing.

Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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Section 14 -- TRANSPORT INFORMATION

No data available.

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Section 15 -- REGULATORY INFORMATION-----

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
7647-01-0	Hydrochloric acid	max 5	
	Manganese Compound	max 15	max 7
	Chromium Compound	max 35	max 7

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CALIFORNIA PROPOSITION 65
WARNING: Black Coffee, Rusted Fence, Wenge Wood, and Potter's Wheel
contain chemicals known to the State of California to cause cancer.
California to cause cancer.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing,
on the TSCA Inventory.

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Section 16 -- OTHER INFORMATION

These products have been classified in accordance with the hazard
criteria of the CPR and the MSDS contains all of the information required
by the CPR.

The above information pertains to these products as currently formulated,
and is based on the information available at this time. Addition of
reducers or other additives to these products may substantially alter the
composition and hazards of the product. Since conditions of use are
outside our control, we make no warranties, express or implied, and assume
no liability in connection with any use of this information.