

**STAIN SEALER VOC - 5 GL REDWOOD**

Version 5.0
 REVISION DATE: 04/02/2015

Print Date 06/16/2015

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : STAIN SEALER VOC - 5 GL REDWOOD

Product code : CSSV G005 630

COMPANY : Increte Systems - A Division of The Euclid Chemical Company
 1611 Gunn Highway
 Odessa, FL 33556

Telephone : 1-800-752-4626

Emergency Phone : U.S. only: 1-800-424-9300
 International Users Call Collect: 1-703-527-3887

Product use : Coating

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Red. 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.

Chronic Health Effects

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Prolonged or repeated overexposure to acetone may cause liver damage, Central Nervous System depression and narcosis. Prolonged or repeated contact/exposure to aromatic petroleum distillates may cause defatting, drying, and irritation of the skin, dermatitis, and central nervous system (CNS) effects. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. T-Butyl alcohol, when given to mice at very high doses, has been reported to damage the developing fetus, kidneys and to cause tumors in rats and mice. Fillers are encapsulated and not expected to be released from product under normal conditions of use.



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0
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Target Organs: Skin, Eye, Lung, Liver, Kidney, Nerve, Reproductive

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Acetone	67-64-1	15.0 - 40.0
Tert-Butyl Acetate	540-88-5	15.0 - 40.0
Acrylic polymer	28262-63-7	15.0 - 40.0
Clay	1332-58-7	10.0 - 30.0
Aromatic petroleum distillates	64742-95-6	5.0 - 10.0
1,2,4-Trimethylbenzene	95-63-6	3.0 - 7.0
Iron oxide	1309-37-1	3.0 - 7.0
Titanium dioxide	13463-67-7	1.0 - 5.0
Carbon Black	1333-86-4	0.1 - 0.5

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

- Inhalation : 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.
- Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

- Flash point : -18 °C, 0 °F
- Method : Tag Closed Cup
- Lower explosion limit : 2.6 %(V) Solvent
- Upper explosion limit : 12.6 %(V) Solvent
- 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.



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Fire and explosion conditions : Extremely flammable vapors. 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 6 - 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 7 - 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 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 8 - 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.
- 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.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Acetone	67-64-1	ACGIH TWA: ACGIH STEL:	500 ppm 750 ppm	
Tert-Butyl Acetate	540-88-5	ACGIH TWA:	200 ppm	



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0

Print Date 06/16/2015

REVISION DATE: 04/02/2015

Chemical Name	CAS Number	Regulation	Limit	Form
Clay	1332-58-7	ACGIH TWA: OSHA TWA: OSHA TWA:	2 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable fraction.
1,2,4-Trimethylbenzene	95-63-6	ACGIH TWA:	25 ppm	
Iron oxide	1309-37-1	OSHA TWA: OSHA TWA: ACGIH TWA: ACGIH TWA:	15 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Total dust. Respirable fraction. Respirable fraction. Respirable fraction.
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA: OSHA TWA: OSHA TWA:	3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
 Color : Red
 Odor : Aromatic Solvent
 pH : Not available.
 Vapour pressure : Not available.
 Vapor density : Heavier than air
 Melting point/range : Not available.
 Freezing point : Not available.
 Boiling point/range : Not available.
 Water solubility : Negligible
 Specific Gravity : 1.02
 % Volatile Weight : 57.4 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.
 Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.
 Hazardous polymerization : Will not occur.

STAIN SEALER VOC - 5 GL REDWOODVersion 5.0
REVISION DATE: 04/02/2015

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SECTION 11 - TOXICOLOGICAL INFORMATION

Acetone, CAS-No.: 67-64-1

Acute oral toxicity (LD-50 oral)

9,800 mg/kg (Rat) 3,000 mg/kg (Mouse) 5,340 mg/kg (Rabbit) 5.2 g/kg (Mouse) 5,800 mg/kg (Rat) 3,000 mg/kg (Mouse) 8,450 mg/kg (Rat) 9,800 mg/kg (Rat) 1,159 mg/kg (Human) 9,750 mg/kg (Rat) 8,000 mg/kg (Dog) 5,230 mg/kg (Mouse) 5,340 mg/kg (Rabbit) 5,800 mg/kg (Rat)

Acute inhalation toxicity (LC-50)

50.1 mg/l for 8 h (Rat) 76 mg/l for 4 h (Rat) for 1 h (Mouse) for 4 h (Rat) for 2 h (Rat) (Rat) for 4 h (Human) (Guinea pig) (Human) 0.01 mg/l for 6 h (Human) for 3 h (Cat) 110 mg/l for 1 h (Mouse) 76 mg/l (Rat) 50.1 mg/l (Rat) for 3 h (Rat) 132 mg/l for 3 h (Rat)

Acute dermal toxicity (LD-50 dermal)

20,000 mg/kg (Rabbit) 20 mg/kg (Rabbit) 20 mg/kg (Rabbit) 20,000 mg/kg (Rabbit) > 15,800 mg/kg (Rabbit) > 7,426 mg/kg (Rabbit) > 7,426 mg/kg (Guinea pig)

Tert-Butyl Acetate, CAS-No.: 540-88-5

Acute oral toxicity (LD-50 oral)

4,500 mg/kg (Rat) 4,100 mg/kg (Rat) 4,750 mg/kg (Rat)

Acute inhalation toxicity (LC-50)

13.3 mg/l for 4 h (Rat) > 2.23 mg/l for 4 h (Rat) for 6 h (Rat)

Acute dermal toxicity (LD-50 dermal)

> 2,000 mg/kg (Rabbit)

Aromatic petroleum distillates, CAS-No.: 64742-95-6

Acute oral toxicity (LD-50 oral)

11,400 mg/kg (Rat) 14,063 mg/kg (Rat) 5,390 mg/kg (Rat) 4,820 mg/kg (Rat) 6,620 mg/kg (Rat) 5,800 mg/kg (Rat) > 6,000 mg/kg (Rat) > 5,570 mg/kg (Rat) > 7,000 mg/kg (Rat) > 4,800 mg/kg (Rat) > 4,500 mg/kg (Rat) > 5,200 mg/kg (Rat) > 5,000 mg/kg (Rat)

Acute inhalation toxicity (LC-50)

> 5,220 mg/m³ for 4 h (Rat) > 4,420 mg/m³ for 4 h (Rat) > 7,630 mg/m³ (Rat) > 4.96 mg/l for 4 h (Rat) > 5,080 mg/m³ for 4 h (Rat) > 5,050 mg/m³ for 4 h (Rat) > 4,980 mg/m³ (Rat) > 5,040 mg/m³ for 4 h (Rat) > 5,610 mg/m³ (Rat) > 5.1 mg/l for 4 h (Rat) > 5,250 mg/m³ for 4 h (Rat) > 5,830 mg/m³ for 4 h (Rat) > 5,470 mg/m³ (Rat) 2,400 mg/m³ for 30 min (Human) > 5,200 mg/m³ for 4 h (Rat) 4,320 mg/m³ for 1 h (Human) > 5,300 mg/m³ (Rat) > 5,280 mg/m³ for 4 h (Rat) > 8,530 mg/m³ for 4 h (Rat) 2,400 mg/m³ for 1 h (Human) 960 mg/m³ for 30 min (Human) >= 5,060 mg/m³ for 4 h (Rat) > 5 mg/l for 4 h (Rat) > 5.36 mg/l (Rat) > 5,170 mg/m³ for 4 h (Rat) > 5,020 mg/m³ (Rat) > 4,980 mg/m³ for 4 h (Rat) > 5,000 mg/m³ for 4 h (Rat) > 4,970 mg/m³ for 4 h (Rat) > 7,970 mg/m³ for 4 h (Rat) > 5,260 mg/m³ for 4 h (Rat) > 5,100 mg/m³ for 4 h (Rat) > 5,020 mg/m³ for 4 h (Rat) > 5,300 mg/m³ (Rat) > 7,300 mg/m³ (Rat) > 5,740 mg/m³ for 4 h (Rat) > 5,160 mg/m³ for 4 h (Rat) > 5,000 mg/m³ (Rat) 4,800 mg/m³ for 30 min (Human) > 5.07 mg/l (Rat) > 5,240 mg/m³ for 4 h (Rat)



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0

Print Date 06/16/2015

REVISION DATE: 04/02/2015

Acute dermal toxicity (LD-50 dermal) > 6,000 mg/kg (Rabbit) > 2,000 mg/kg (Rabbit) > 1,900 mg/kg (Rabbit) > 2,000 mg/kg (Rabbit) > 3,750 mg/kg (Rabbit) > 3,000 mg/kg (Rabbit)

1,2,4-Trimethylbenzene, CAS-No.: 95-63-6

Acute oral toxicity (LD-50 oral) 3,550 mg/kg (Rat) 5,000 mg/kg (Rat) 3,280 mg/kg (Rat) 6,000 mg/kg (Rat) 8,970 mg/kg (Rat) 6,880 mg/kg (Rat) 3,440 mg/kg (Rat)

Acute inhalation toxicity (LC-50) 18,000 mg/m3 for 4 h (Rat) for 12 h (Mouse, Rat) for 4 h (Rat) for 6 min (Mouse) 10,200 mg/m3 for 4 h (Rat) for 4 h (Rat)

Acute dermal toxicity (LD-50 dermal) 3,440 mg/kg (Rat)

Iron oxide, CAS-No.: 1309-37-1

Acute oral toxicity (LD-50 oral) > 750 mg/kg (Mouse) > 10,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 5,000 mg/kg (Rat)

Acute inhalation toxicity (LC-50) > 210 mg/m3 (Rat)

Titanium dioxide, CAS-No.: 13463-67-7

Acute oral toxicity (LD-50 oral) > 25,000 mg/kg (Rat) > 11,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 5,000 mg/kg (Rat) > 5,000 mg/kg (Rat)

Acute inhalation toxicity (LC-50) > 3.56 mg/l for 4 h (Rat) > 2.28 mg/l for 4 h (Rat) 3.43 mg/l for 4 h (Rat) 5.09 mg/l for 4 h (Rat) > 6.82 mg/l for 4 h (Rat)

Carbon Black, CAS-No.: 1333-86-4

Acute oral toxicity (LD-50 oral) > 8,000 mg/kg (Rat) > 15,400 mg/kg (Rat) > 10,000 mg/kg (Rat) > 10,000 mg/kg (Rat)

Acute inhalation toxicity (LC-50) > 4.6 mg/m3 for 4 h (Rat) > 10 mg/m3 for 4 h (Rat) > 1 mg/m3 for 7 h 4.6 mg/m3 for 4 h (Rat) 1 mg/m3 for 7 h

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

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.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

CFR / DOT:

UN1139, Coating solution, 3, PG II

TDG:



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0

Print Date 06/16/2015

REVISION DATE: 04/02/2015

UN1139, COATING SOLUTION, 3, PG II

IMDG:

UN1139, COATING SOLUTION, 3, PG II

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

SECTION 15 - 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 : 1,2,4-Trimethylbenzene 95-63-6

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

OSHA Hazardous Components :

Acetone	67-64-1
Tert-Butyl Acetate	540-88-5
Clay	1332-58-7
1,2,4-Trimethylbenzene	95-63-6
Iron oxide	1309-37-1
Titanium dioxide	13463-67-7
Carbon Black	1333-86-4

OSHA Status: Considered : Irritant
hazardous based on the : Carcinogen
following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 318 g/l
exempt solvent)
VOC Method 310 : 34.70 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
Carbon Black 1333-86-4

U.S. State Regulations:

MASS RTK Components	:	Acetone	67-64-1
		Tert-Butyl Acetate	540-88-5
		Clay	1332-58-7
		1,2,4-Trimethylbenzene	95-63-6
		Iron oxide	1309-37-1
		Titanium dioxide	13463-67-7



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0

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Penn RTK Components	:	Acetone	67-64-1
		Tert-Butyl Acetate	540-88-5
		Acrylic polymer	28262-63-7
		Clay	1332-58-7
		Aromatic petroleum distillates	64742-95-6
		1,2,4-Trimethylbenzene	95-63-6
		Iron oxide	1309-37-1
		Titanium dioxide	13463-67-7

NJ RTK Components	:	Acetone	67-64-1
		Tert-Butyl Acetate	540-88-5
		Acrylic polymer	28262-63-7
		Clay	1332-58-7
		Aromatic petroleum distillates	64742-95-6
		1,2,4-Trimethylbenzene	95-63-6
		Iron oxide	1309-37-1
		Titanium dioxide	13463-67-7
	Carbon Black	1333-86-4	

Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	3
Reactivity	1
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.

Prepared by: Rich Mikol

Legend

ACGIH - American Conference of Governmental Hygienists
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
 DOT - Department of Transportation
 DSL - Domestic Substance List
 EPA - Environmental Protection Agency
 HMIS - Hazardous Materials Information System

PEL - Permissible Exposure Limit
 RCRA - Resource Conservation and Recovery Act
 RTK - Right To Know
 SARA - Superfund Amendments and Reauthorization Act
 STEL - Short Term Exposure Limit
 TLV - Threshold Limit Value



STAIN SEALER VOC - 5 GL REDWOOD

Version 5.0

Print Date 06/16/2015

REVISION DATE: 04/02/2015

IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration

TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System