

# Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Printing Date: 12/8/2014

Revision: 12/8/2014

**Trade Name: HYDRA-STONE™ Dye Stain and Reducer**

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade Name: HYDRA-STONE™

### 1.2 Article No.: HYDRA-STONE™

### 1.3 Details of the supplier of the Safety Data Sheet Manufacturer:

Elite Crete Systems  
 1061 Transport Drive  
 Valparaiso, IN 46383  
 Toll Free: 888.323.4445  
 Tel: (219) 465-7671  
 Fax: (219) 531-0898  
[www.elitecrete.com](http://www.elitecrete.com)

### 1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)  
 CHEMTREC INTERNATIONAL: (703-527-3887)

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with CFR 1910 (OSHA HCS) and EU DIRECTIVES 67/548/EEC or 1999/45/EC**

The product is classified as hazardous according to EU parliament and councils directive 1999/45/EF.

### 2.2 Label elements

**Labeling according to Regulation (EC) No 1272/2008:**

**Hazard pictograms:**



**GHS07    GHS02**

**Signal word:** Danger

#### **Hazard statements:**

Flammable

The product has to be labeled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest valid version.

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company data.

H226: Flammable liquid and vapor.

H336: May cause drowsiness and dizziness.

H413: May cause long lasting harmful effects to aquatic life.

#### **Precautionary statements:**

P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breath dust/fumes/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves, /clothing protection, eye protection, face mask protection and foot Protection.

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### Trade Name: HYDRA-STONE™ Dye Stain and Reducer

P301+P330+P331 P303+P361+P353	IF SWALLOWED: rinse mouth. Do NOT induce vomiting IF ON SKIN (or hair): Remove/Takeoff immediately all contaminated clothing. Rinse skin with water (shower) THOROUGHLY AND CONTINUOUSLY UNTIL ALL RESIDUE IS FLUSHED OFF BODY
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathin
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P501	Dispose of contents/container to an approved waste disposal plant

#### Hazard description:

**Canadian WHMIS Classification:** none listed

**NFPA (U.S.A.) ratings (scale 0 - 4)**



Health = 0  
Fire = 3  
Reactivity = 0

Material is not flammable itself however reactions may liberate flammable hydrogen gas

**HMIS (U.S.A.) ratings (scale 0 - 4)**

Health	0
Fire	3
Reactivity	0

Health = 0  
Fire = 3  
Reactivity = 0

#### 2.3 Other hazards not otherwise classified (HNOC) or not covered by GHS

None known

### 3 Composition/information on ingredients

#### 3.2 Mixture.

##### Hazardous components:

Identification #	Description	WT. %
CAS: # 12237-22-8, 5601-29-6, 12227-27-3, 12237-24-0 EINECS: Index No: 227-022-5	<b>May contain one or more of the following Complex dye's:</b> Yellow 081, blue 807, red 355, blackx51 GHS Classification: : Not Dangerous R53, H413	12-25%
CAS: # 107-98-2 EINECS: 203-539-1 Index: No:	<b>1-methoxy-2-propanol</b> R10-67, H226, H336	75-88%

Mixture of the substances above with non hazardous substances.

For the wording of the listed risk phases refer to section 16

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#### 4 First aid measures

##### 4.1 Description of first aid measures

###### After inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention immediately.

###### After skin contact:

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

###### After eye contact:

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention. Remove eye contacts if easy to do so. Seek medical attention immediately.

###### After swallowing:

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. **Never induce vomiting** or give diluents.

Give large amounts of water or milk to a **CONSCIOUS PERSON**. **Never give (milk or water) to someone who is unconscious**, having convulsions, or who cannot swallow. Seek medical advice immediately.. Take a copy of the label and/or MSDS with the victim to the health professional.

##### 4.2 Most important symptoms and effects, both acute and delayed.

**Acute:** This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction.

**Chronic:** Prolonged or repeated skin contact may cause skin reaction product can be removed with water wash exposed skin thoroughly. Seek medical attention if symptoms arise. .

**Target Organs:**           **Acute:** Eye, Skin lungs       **Chronic:** Skin, lungs

**Hazards:** Pre-existing skin or eye problems may be aggravated by exposure to this product.

##### 4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptoms and reduce over-exposure.

#### 5 Firefighting measures

##### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, dry chemical, water spray, alcohol resistant foam.

##### 5.2 Special hazards arising from the substance or mixture: No further relevant information available

**Hazardous decomposition products:** None known

**Flammability:** Material is flammable

**Protective Equipment:** Firefighters should always wear NIOSH/MISHA approved self-contained breathing apparatus and full protective clothing.

#### 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Personnel should be trained for spill response operations.

**6.2 Environmental precautions:** All work practices must be aimed at eliminating environmental contamination.

**6.3 Methods and material for containment and cleaning up:** Evacuate area. Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up spilled material with an absorbent material and pick up and place in an appropriate waste container for disposal. Do not mix with other wastes. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

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## 7 Handling and storage

### 7.1 Precautions for safe handling

Keep away from heat, sparks, static charge build up and direct sunlight. Store in cool dry place in tightly sealed containers

### 7.2 Conditions for safe storage, including any incompatibilities: Same as above

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Do not smoke, keep all ignition sources away. Protect against electrostatic charges (keep grounded).

### 7.3 Specific end use(s): No information

## 8 Exposure controls/personal protection

### Information about design of technical facilities:

Use with adequate explosion proof ventilation to ensure low vapor levels are maintained. Ensure eyewash/safety shower stations are available near areas where this product is used.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

CAS 107-98-2 1-methoxy-2-propanol

PEL	Short term value:	540 mg/m <sup>3</sup> 150 ppm
	Long term Value:	360 mg/m <sup>3</sup> 100 ppm
TLV	Short term value:	553 mg/m <sup>3</sup> 150 ppm
	Long term Value:	369 mg/m <sup>3</sup> 100 ppm

### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

**Respiratory protection:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.



Protective boots

**Protection of hands & feet:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Protective gloves,



#### Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

#### Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

**Eye protection:** full chemical face mask as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.



Tightly sealed goggles



Full chemical face mask

#### Body Protection:

Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

#### Exposure guidelines:

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### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

**Form:** Liquid (fluid)  
**Color:** Various colors & clear

**Odor:** None

**Odor threshold:** N/A

<b>pH-value:</b>	N/A
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	N/A
<b>Boiling point/Boiling range:</b>	248°F (120°C)
<b>Flash point:</b>	95°F (35°C)
<b>Flammability (solid, gaseous):</b>	Flammable
<b>ignition temperature:</b>	518°F (270°C)
<b>Decomposition temperature:</b>	No data available
<b>Self-igniting:</b>	Product is not self igniting
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixture is possible
<b>Explosion limits</b>	
<b>Lower :</b>	2.3 Vol %
<b>Vapor pressure at: 68°F (20°C)</b>	12 hPa (9mm Hg)
<b>Density at 68°F (20°C):</b>	specific gravity 1.01
<b>Solubility in / Miscibility with Water:</b>	Fully miscible
<b>Viscosity:</b>	No data available
<b>Dynamic:</b>	No data available
<b>Kinematic:</b>	
<b>Solvent content:</b>	
<b>Organic solvents:</b>	75-88%
<b>Solids content</b>	12-25%

#### 9.2 Other information

### 10 Stability and reactivity

**10.1 Reactivity:** Chemically stable

**10.2 Chemical stability:** Product is stable if used according to specifications

**Thermal decomposition / conditions to be avoided:** None known

**10.3 Possibility of hazardous reactions:** No dangerous reaction known

**10.4 Conditions to avoid:** Keep from entering waterways

**10.5 Incompatible materials:** N/A

**10.6 Hazardous decomposition products:** No Dangerous decomposition products known

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### 11 Toxicological information

**11.1 Information on toxicological effects:** Toxicity data is available for this product.

**Acute toxicity:**

LD/LC50 values that are relevant for classification:

**12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's**

Oral LD50 >2000 mg/kg (rat)

**Primary irritant effect:**

**On the Skin :** No irritating effect

**On the Eyes:** No irritating effect

**Sensitization:** None known

**Additional toxicological information:**

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC

**Reproductive toxicity information:**

No information available

**Carcinogenicity: IARC, ACGIH, NTP, OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### 12 Ecological information

**12.1 Toxicity**

**Aquatic toxicity:**

107-98-2 1-METHOXY-2-PROPONAL EC50/48h > 15mg/l (daphnia magna)

**12.2 Persistence and degradability:** No data available

**12.3 Bio accumulative potential:**

N/A.

**12.4 Mobility in soil:** No data available

**General notes:** Water hazard Class 1, (Self assessment by mfg.) slightly hazardous for water.

**12.5 Results of PBT and vPvB assessment**

PBT.vPvB assessment not available, chemical assessment not required /not conducted

**General Notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewerage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

### 13 Disposal considerations

**13.1 Waste treatment methods**

**Recommendations:**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan. Recommended to contact local licensed professional waste disposal service. Do not dispose of in household garbage.

**RCRA WASTE CODE:** None Listed

**EU WASTE CODE:** Not Listed

**Cleansing agent:** Water with cleaning agents.

### 14 Transport information

**14.1 UN-Number**

DOT: IMDG: ADR, , IATA, TDG: **UN3092**

ADR: RID

**14.2 UN proper shipping name**

DOT, IMDG, IATA:TDG **1-METHOXY-2-PROPONAL**

RID/ADR **1-METHOXY-2-PROPONAL**



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<b>14.3 Transport hazard class(es)</b> DOT;; IMDG; IATA: ICAO	
Class:	3 
Label:	
ADR: RID	
Class:	3 Item (F-1) FLAMMABLE LIQUIDS
Label:	
<b>14.4 Packing group</b> DOT, ADR, IMDG, IATA:TDG: RID	III
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user</b> Danger code (Kemler): EMS Number: Segregation group:	Warning corrosive substances 30 F-E,S-E PAINT SOLUTION
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	No data available
<b>Transport/Additional information</b> ADR Limited quantities (LQ) Excepted quantities (EQ)	WARNING FLAMMABLE LIQUIDS
<b>Transport category:</b> <b>Tunnel restriction code:</b>	WARNING FLAMMABLE LIQUIDS
<b>UN "Model Regulation":</b>	UN 1263 PAINT SOLUTION

## 15 Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)**

**SARA:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

**Section 355 (extremely hazardous substances):** 12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

**Section 313 (Toxic Release Inventory):** 12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

**TSCA (Toxic Substances Control Act):** 12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

This product contains some chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. 12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

**Massachusetts Right to Know Components**

12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

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#### Pennsylvania Right to Know Components

12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

#### New Jersey Right to Know Components

12237-22-8,12237-24-0,12237-27-3,12237-22-8 various complex dye's

#### Canada

##### Canadian Domestic Substances List (DSL):

All ingredients are listed

##### Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

##### Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

## 16 Other information

#### Hazard Statements:

H226: Flammable liquid and vapor.

H336: May cause drowsiness and dizziness.

H413: May cause long lasting harmful effects to aquatic life.

#### Precautionary statements:

P202	Do not handle until all safety precautions have been read and understood
P260	Do not breath dust/fumes/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves, /clothing protection, eye protection, face mask protection and foot Protection
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Takeoff immediately all contaminated clothing. Rinse skin with water (shower) THOROUGHLY AND CONTINUOUSLY UNTIL ALL RESIDUE IS FLUSHED OFF BODY
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P501	Dispose of contents/container to an approved waste disposal plant

#### Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation.

IATA: International Air Transport Association.

ACGIH: American Conference of Governmental Industrial Hygienists.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.