# Material Safety Data Sheet
**acc. to ISO/DIS 11014**

Printing date 06/12/2006 Reviewed on 06/12/2006

## 1 Identification of substance

· **Product details**

· **Trade name: Liquid Colourant™ - Shadow Slate**

· **Article number:** LC123/6
· **Application of the substance / the preparation**

· **Manufacturer/Supplier:**
Legacy™ Decorative Concrete Systems, Inc.
3421 Lumber Ln. Tel.: (866) 684-9394
Springfield, IL 62707

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Call Legacy 24 hours a day at 866-684-9394.

· **Information department:** Environmental, Health, and Safety department.

## 2 Composition/Data on components

· **Chemical characterization**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

| | | |
|---|---|---|
| 1308-38-9 | dichromium trioxide | £ 10% |

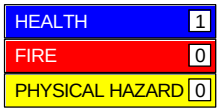
· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

· **Hazard description:** Not applicable.
· **Information pertaining to particular dangers for man and environment:**
The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
· **NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**




Health = 1
Fire = 0
Reactivity = 0

## 4 First aid measures

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 2)

# Material Safety Data Sheet
**acc. to ISO/DIS 11014**

Printing date 06/12/2006 Reviewed on 06/12/2006

**Trade name: Liquid Colourant™ - Shadow Slate**

(Contd. of page 1)

· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.

## 5 Fire fighting measures

· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

## 6 Accidental release measures

· **Person-related safety precautions:** Not required.
· **Measures for environmental protection:** Dilute with plenty of water.
· **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7 Handling and storage

· **Handling:**
· **Information for safe handling:** No special precautions are necessary if used correctly.
· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.

## 8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

| 1308-38-9 dichromium trioxide | |
|---|---|
| PEL () | 0.5 mg/m³<br>as Cr |
| REL () | 0.5 mg/m³<br>as Cr |
| TLV () | 0.5,A4 mg/m³<br>as Cr |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.

(Contd. on page 3)

# Material Safety Data Sheet
**acc. to ISO/DIS 11014**

Printing date 06/12/2006 Reviewed on 06/12/2006

**Trade name: Liquid Colourant™ - Shadow Slate**

(Contd. of page 2)

*Wash hands before breaks and at the end of work.*
*Avoid contact with the eyes and skin.*

· **Breathing equipment:** *Not required.*

· **Protection of hands:**

*Protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
*Due to missing tests, no recommendation to the glove material can be given for the product.*
*Select the glove material upon consideration of the penetration times, rates of diffusion and the degradation.*

· **Material of gloves**
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**
*The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· **Eye protection:**

*Tightly sealed goggles*

## 9 Physical and chemical properties

| | |
|---|---|
| · **General Information** | |
| **Form:** | *Fluid* |
| **Color:** | *According to product specification* |
| **Odor:** | *Characteristic* |
| · **Change in condition** | |
| **Melting point/Melting range:** | *Undetermined.* |
| **Boiling point/Boiling range:** | *71°C (160°F)* |
| · **Flash point:** | *Not applicable.* |
| · **Auto igniting:** | *Product is not selfigniting.* |
| · **Danger of explosion:** | *Product does not present an explosion hazard.* |
| · **Vapor pressure at 20°C (68°F):** | *23.0 hPa (17 mm Hg)* |
| · **Density at 20°C (68°F):** | *1.80 g/cm³* |
| · **Solubility in / Miscibility with** | |
| **Water:** | *Fully miscible.* |
| · **Solvent content:** | |
| **Organic solvents:** | *0.0 %* |
| **Water:** | *75.0 %* |
| · **Solids content:** | *20.0 %* |

(Contd. on page 4)

# Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 06/12/2006 Reviewed on 06/12/2006

**Trade name: Liquid Colourant™ - Shadow Slate**

(Contd. of page 3)

· **Volatile Organic Compounds:** Not determined

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous products of decomposition:** No dangerous decomposition products known.

## 11 Toxicological information

· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

## 12 Ecological information

· **General notes:** Generally not hazardous for water

## 13 Disposal considerations

· **Product:**
· **Recommendation:** Must not be disposed of as normal garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

| | |
|---|---|
| · **DOT regulations:** | |
| · **Hazard class:** | - |
| · **Limited Quantity Exemption:** | No Limited Quantity exemption applies for this shipping class. |
| · **U.S. Domestic Ground Shipments:** | Same as listed for Standard Shipments above. |
| · **U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:** | Same as listed for Standard Shipments above. |
| · **Emergency Response Guide (ERG) Number:** | Not determined |
| · **Land transport ADR/RID (cross-border):** | |
| · **ADR/RID class:** | - |

(Contd. on page 5)

# Material Safety Data Sheet
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Printing date 06/12/2006 Reviewed on 06/12/2006

**Trade name: Liquid Colourant™ - Shadow Slate**

(Contd. of page 4)

· **Maritime transport IMDG:**
· **IMDG Class:** -
· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** -

## 15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**
This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to the State of California (Prop. 65) to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with directives on hazardous materials.

(Contd. on page 6)

# Material Safety Data Sheet
## acc. to ISO/DIS 11014

Printing date 06/12/2006 Reviewed on 06/12/2006

**Trade name: Liquid Colourant™ - Shadow Slate**

(Contd. of page 5)

· **Hazard symbols:** Xi Irritant

· **Risk phrases:** 36/38 Irritating to eyes and skin.

· **Safety phrases:**
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of soap and water.

· **National regulations:**

· **Water hazard class:** Generally not hazardous for water.

## 16 Other information

The provided information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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· **Department issuing MSDS:** Environmental, Health & Safety Department
· **Contact:** Environmental, Health & Safety Manager