

Endurable Concrete Dye

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 08/28/2019 Revision date: n/a Printed: 08/28/2019 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Endurable Concrete Dye

Product code : n/a

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial use / Professional use
Concrete Dye

Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

HDIP Inc.
20407 Christmas Rdg.
Bend, OR 97702
Tel: 800-910-3120

1.4. Emergency telephone number

Emergency number : 800-910-3120
Mon - Fri 8:30- 4:30 (PST)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Flammable Liquid, Category 4
Skin Corrosion/Irritation, Category 2
Sensitization - Skin, Category 1
Eye Damage/Irritation, Category 1

2.2. Label elements

Labelling

Hazard pictograms :



Signal word : Danger

Hazard statements : Combustible liquid
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye damage

Precautionary statements : Keep away from flames and hot surfaces. – No smoking.
Avoid breathing mists/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Wash face and hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
In case of fire: Use Foam, Dry powder, Carbon dioxide, Water spray, Sand to extinguish.
If on skin: Wash with plenty of water and soap
Wash contaminated clothing before reuse
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center/doctor
Store in a well- ventilated place. Keep cool.
EN (English)

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Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

Other hazards which do not result in classification : Exposure to high concentration may effect in kidney and liver.

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture[§]

Name	Product identifier	%
Chromate(3-), bis[3-(hydroxy-.kappa.O)-4-[2-[2-(hydroxy-.kappa.O)-1-naphthalenyl]diazanyl-.kappa.N1]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium (1:3)	(CAS No) 57693-14-8	45 - 45
Ethanol, 2-(2-butoxyethoxy)-	(CAS No) 112-34-5	25 - 35
Ethanol, 2-propoxy-	(CAS No) 2807-30-9	25 - 35
Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]-5-sulfobenzoate lithium sodium complexes	(CAS No) 85828-89-3	10 - 15
Cobaltate(3-), bis[5-chloro-2-(hydroxy-k.O)-3-[2-[2-(oxo-k.O)-1-[(phenylamino)carbonyl]propyl]diazanyl-k.N1]benzenesulfonato(3-)]-, sodium (1:3)	(CAS No) 73324-01-3	10 - 15
Propanoic acid, 2-hydroxy-, ethyl ester	(CAS No) 97-64-3	5 - 10
Chromate(3-), bis[3-[2-[4,5-dihydro-3-methyl-5-(oxo-k.O)-1-phenyl-1H-pyrazol-4-yl]diazanyl-k.N1]-4-(hydroxy-k.O)-5-nitrobenzenesulfonato(3-)]-, sodium hydrogen (1:1:2)	(CAS No) 73507-64-9	5 - 10

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1). Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin water. Wash with soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician.

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

May cause allergic skin reaction. May cause severe damage to the delicate tissue. Symptoms of allergic reaction may include rash, itching, swelling.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

[§] Different product(s) will contain various fragrances resulting in to various combinations of the following substances. Not all substances will be in each product.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Special danger of slipping by leaking/spilling product. Avoid contact with skin and eyes. Avoid breathing mist and spray. Equip cleanup crew with proper protection. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Large spills: Dike to prevent further leakage. Use dry sand to contain the flow of chemical.
Small spills : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials. Ensure all national/local regulations are observed.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoiding breathing mists and spray. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well-ventilated place. Keep container tightly closed.

Incompatible materials : No additional information available

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-(2-butoxyethoxy)ethanol (112-34-5)		
ACGIH	ACGIH TWA (ppm) Inhalable fraction – vapore	10 ppm

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

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Personal protective equipment : Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.



Hand protection : Wear appropriate protective gloves and clothing to prevent skin exposure.

Eye protection : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin and body protection : In case of repeated or prolonged exposure : Personal protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Varies
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 140 °F & < 199.4 °F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity	: No data available
Explosive properties	: Not applicable
Oxidising properties	: Not applicable
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage condition

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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10.4. Conditions to avoid

Protect product from freezing.

10.5. Incompatible materials

Strong oxidizing agents. Acids.

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO₂), Ammonia, Toxic gases and oxides of metals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ethanol, 2-propoxy- (2807-30-9)	
LD50 dermal rabbit	1,009 - 1768 mg/kg bm

ATE	> 2880 - 7070 mg/kg
Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Causes skin irritation
Serious eye damage/irritation	: Causes serious eye damage
Respiratory or skin sensitization	: May cause an allergic skin reaction
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH, or listed on OSHA's list of regulated carcinogens.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/injuries after eye contact	: No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is toxic to aquatic life with long lasting effects.

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Not regulated when transported in volume not exceeding 119 gallons (450 Liters)

Transport document description : NA1993 Combustible liquid, n.o.s, III

UN-No.(DOT) : NA1993g

Proper Shipping Name (DOT) : Combustible liquid (Contains glycol ether)

Transport hazard class(es) (DOT) : Comb liq

Hazard labels (DOT) : None

DOT Symbols : D, G

Packing group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102) : 148 - For domestic transportation, this entry directs to §173.66 for:
a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and
b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e., a multipurpose bulk truck (MBT)).
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

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DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Additional information

Other information : No supplementary information available.

Marine pollutant : YES

Transport by sea (IMDG)

Transport document description : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Contains organo-chromium compound), 9, III

UN-No. : UN3082

Proper Shipping Name : Environmentally hazardous substance, liquid, n.o.s.

Class : 9 - Class 9 – Environmentally hazardous substance

Packaging group : III

Technical name : Contains organo-chromium compound

Air transport (IATA/ ICAO)

Transport document description : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Contains organo-chromium compound), 9, III

UN-No. : UN3082

Proper Shipping Name : Environmentally hazardous substance, liquid, n.o.s.

Class : 9- Class 9 – Environmentally hazardous substance

Packaging group : III

Technical name : Contains organo-chromium compound

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - NOTE: This product has NOT evaluated against the latest requirements of the California Proposition 65 to meet the safe harbor warning requirements introduced by The office of Environmental Health Hazards Assessment (OEHHA), during its OSHA hazards classification evaluation.

Propanoic acid, 2-hydroxy-, ethyl ester (97-64-3)

Massachusetts RTK

New Jersey Worker and Community RTK

Pennsylvania Worker and Community RTK

1,2-Propanediol (57-55-6)

New Jersey Worker and Community RTK

Pennsylvania Worker and Community RTK

SECTION 16: Other information

Indication of changes : Not applicable

Revision date : Not applicable

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product