



ENDURABLE CONCRETE STAIN™

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Date of issue: 08-23-2019 Revision date: n/a Printed: 08/23/2019 Version: 1.0

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: Endurable Concrete Stain™
Product Use: Concrete Stain
SDS Prepared by: HDIP INC
Supplier: HDIP INC
20407 Christmas Ridge
Bend, Oregon 97702

For emergency health, safety, and environmental information, call 800-910-3120.

Section 2 – HAZARDOUS IDENTIFICATION

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation - Category 2A

Carcinogenicity - Category 1A

Specific target organ toxicity (single exposure) (Respiratory tract irritation and Narcotic effects) -Category 3

Specific target organ toxicity (repeated exposure) - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 39.5%



Signal Word: Danger

Hazard Statements:

Causes serious eye irritation.

May cause cancer.

May cause respiratory irritation.

May cause drowsiness and dizziness.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear eye or face protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling.

Response: Get medical attention if you feel unwell.

IF exposed or concerned: Get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: Store locked up

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Identity</u>	<u>CAS Registry No.</u>	<u>%</u>
talc	14807-96-6	10 – 25%
Octylphenoxy poly(ethoxy)ethanol	9036-19-5	5 – 15 %
ethylene glycol	107-21-1	10 – 30 %

Section 4 - FIRST-AID MEASURES

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

Skin: Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Section 5 - FIRE FIGHTING MEASURES

Flash Point: Not applicable **LEL – N.A.** **UEL – N.A** **Flammability Class. – N.A.**

Extinguishing media: dry chemical, carbon dioxide, alcohol foam

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

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.

Section 6 - ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush area with water spray. Prevent runoff from entering drains, sewers, or streams.

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.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ethylene Glycol:

ACGIH TLV (United States, 4/2014).

C: 100 mg/m³ Form: Aerosol

NIOSH REL (United States, 10/2013).

TWA: 3.5 mg/m³ 10 hours.

TWA: 0.1 mg of PAHs/cm³ 10 hours.

OSHA PEL (United States, 2/2013).

TWA: 3.5 mg/m³ 8 hours.

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in

Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

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 organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

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

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT - 10.29 lb/gal - 1232 g/l

SPECIFIC GRAVITY - 1.24

BOILING POINT - 212 - 388 °F - 100 - 197 °C

MELTING POINT - Not Available

VOLATILE VOLUME - 60%

EVAPORATION RATE - lower than ether

VAPOR DENSITY - Heavier than air

SOLUBILITY IN WATER - N.A.

pH - 8.0

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

2.65 lb/gal - 317 g/l Emitted VOC ----- When product is mixed in water and unconcentrated, VOC is < 8 g/l

Section 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	By Fire – Carbon Dioxide, Carbon Monoxide
Stability:	Stable.
Incompatibility:	None known.

Section 11 - TOXOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

TOXICOLOGY DATA

CAS 107-21-1 - Ethylene Glycol
LC50 RAT 4HR Not Available
LD50 RAT 4700 mg/kg

CAS 9036-19-5 - Octylphenoxypoly(ethoxy)ethanol
LC50 RAT 4HR Not Available
LD50 RAT Not Available

CAS 14807-96-6 Talc
LC50 RAT 4HR Not Available
LD50 RAT Not Available

Section 12 - ECOLOGICAL INFORMATION

Ethylene Glycol Acute LC50 6900000 µg/l
Fresh water Crustaceans - Ceriodaphnia dubia - Neonate 48 hours
Acute LC50 41000000 µg/l
Fresh water Daphnia - Daphnia magna - Neonate 48 hours
Acute LC50 8050000 µg/l
Fresh water Fish - Pimephales promelas 96 hours

Octylphenoxypoly(ethoxy)ethanol
Acute EC50 210 µg/l
Fresh water Algae - Pseudokirchneriella subcapitata 96 hours
Acute LC50 10800 µg/l
Marine water Crustaceans - Pandalus montagui - Adult 48 hours
Acute LC50 8600 µg/l
Fresh water Daphnia - Daphnia magna - Neonate 48 hours
Acute LC50 7200 µg/l Fresh water Fish - Oncorhynchus mykiss 96 hours

Section 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Incinerate in approved facility.

Do not incinerate closed container.

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

Section 14 - TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

Not Regulated for Transportation.

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities

Ethylene glycol 5000 lb RQ

Canada (TDG)

Not Regulated for Transportation.

IMO

Not Regulated for Transportation.

IATA/ICAO

Not Regulated for Transportation.

Section 15 - REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No. 107-21-1 - Ethylene Glycol
by WT: Ethylene Glycol 10-25%

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 - OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the

MSDS contains all of the information required by the CPR

Health – 2

Flammability – 1

Physical Hazards – 0

Users should consider these data only as a supplement to other information. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty; no responsibility is accepted that the information is sufficient or correct in all cases. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.