

HDIP INC

SAFETY DATA SHEET

ENDURABLE F1 SEALER

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: ENDURABLE F1 SEALER

Product Use: Clear Concrete Sealer

MSDS Prepared by: HDIP INC

Date prepared: 6-22-15

Supplier:

HDIP INC

20981 Yeoman Road

Bend, Oregon 97701

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

Section 2 – HAZARDS IDENTIFICATION

GHS classification

Skin irritation - Category 2

Eye irritation - Category 2A

GHS label elements

Hazard pictograms/symbols



Signal Word: Warning

Hazard Statements: Causes skin irritation

Causes serious eye irritation

Precautionary Statements:

Prevention: Wash hands thoroughly after handling, wear eye protection, wear protective gloves

Response: If on skin, wash with soap and water.

If in eyes, Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before re use.

Hazards not otherwise classified

Moderate respiratory irritant.

Moderate skin irritant.

Mild eye irritant.

40.059 % of mixture consists of ingredients of unknown acute toxicity

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

There are no hazardous components above the relevant concentration limits according to OSHA HazCom 2012.

Section 4 - FIRST-AID MEASURES

Eye contact: Rinse with water. Get medical attention if irritation develops and persists.

Skin contact: Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Section 5 - FIRE FIGHTING MEASURES

Flammable properties: Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media: Water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters protective equipment and precautions for firefighters: Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray.

Fire fighting equipment/instructions: Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep unnecessary personnel away.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Methods for cleaning up: Extinguish all flames in the vicinity. Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Dike far ahead of spill for later disposal. Cover with plastic sheet to prevent spreading.

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

Section 7 - HANDLING AND STORAGE

Handling: DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid release to the environment. Handle and open container with care.

Storage: Keep away from heat, sparks and open flame. Use care in handling/storage. To protect from freezing product should not be stored below 41°F (5°C)

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment:

Eye / face protection: Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection: Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.

Respiratory protection No personal respiratory protective equipment normally required. When respiratory protection is required, wear a NIOSH/MSHA approved self-contained breathing apparatus with full facepiece operated in a positive-pressure mode.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky.

Color: White.

Odor: Not available.

Odor threshold: Not available.

Physical state: Liquid

Form: Liquid.

pH: 7

Melting point/Freezing point: 32 °F (0 °C)

Boiling point: 212 °F (100 °C)

Flash point: > 212 °F (> 100 °C)

Evaporation rate: Not available.

Flammability limits in air, upper, % by volume: Not available.

Flammability limits in air, lower, % by volume: Not available.

Vapor pressure: 17.5 mm Hg @20C (WATER)

Vapor density: Water

Specific gravity: Not available.

Relative density: Not available.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

VOC: < 100 g/L

Solubility (water): Dispersible

Section 10 - STABILITY AND REACTIVITY

Chemical stability: Material is stable under normal conditions.

Conditions to avoid: Heat, flames and sparks.

Hazardous decomposition products: Nitric acid.

Ammonia

Nitrogen oxides (NO_x).

Nitrogen oxide can react with water vapors to form corrosive nitric acid.

Carbon monoxide.

Carbon dioxide (CO₂)..

Materials to avoid: Sodium hypochlorite.

Organic acids (i.e. acetic acid, citric acid etc.).

Mineral acids.

Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Incompatible with bases.

Section 11 - TOXOLOGICAL INFORMATION

Likely routes of exposure

Effects on Eye : Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Contact with eyes may cause irritation.

Effects on Skin : Causes skin irritation.

Inhalation Effects : Harmful if inhaled and may cause delayed lung injury. May cause nose, throat, and lung irritation. Inhalation of vapors and/or aerosols in high concentration

may cause irritation of respiratory system.

Ingestion Effects : No data available.

Symptoms : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Asthma., Skin disorders and Allergies.

Acute toxicity

Acute Oral Toxicity : No data is available on the product itself.

Inhalation : No data is available on the product itself.

Acute Dermal Toxicity : No data is available on the product itself.

Skin corrosion/irritation : Skin irritation.

Serious eye damage/eye irritation

: Mild eye irritation.

Sensitization. : No data available.

Chronic toxicity or effects from long term exposures

Carcinogenicity : No data available.

Reproductive toxicity : No data is available on the product itself.

Germ cell mutagenicity : No data is available on the product itself.

Specific target organ systemic toxicity (single exposure)

: No data available.

Specific target organ systemic toxicity (repeated exposure)

: No data available.

Aspiration hazard : No data available.

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1

percent or greater. Asthma., Skin disorders and Allergies.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : No data is available on the product itself.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

Section 13 - DISPOSAL CONSIDERATIONS

Waste from residues / unused products

: For small quantities (less than 100 gallons): Disposal to municipal or industrial waste water treatment plants is normally acceptable. Obtain approval from these Authorities before disposal. The product does impart a white, milky color to water, which may not be removed or sufficiently diluted by the treatment facility. The product may also cause foaming when agitated. The product can be chemically or biologically degraded. For large quantities: Disposal through licensed waste disposal facilities is suggested. The product can be incinerated, although chemical or biological treatment is sufficient. Chemical precipitation/coagulation can be used to facilitate removal of solids (consult manufacturer for detailed procedure). NOTE: As supplied or diluted, product material (foam included), when splashed on automobiles or other personal property, is difficult to remove if allowed to dry. Contact supplier if guidance

is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

Section 14 - TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

TDG

Not dangerous goods

Further Information

Not dangerous goods The transportation information is not intended to convey all specific regulatory data relating to this material.

Section 15 - REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

Country Regulatory list Notification

USA TSCA Included on Inventory.

EU EINECS Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.

Canada DSL Included on Inventory.

Australia AICS Included on Inventory.

Japan ENCS Included on Inventory.

South Korea ECL Included on Inventory.

China SEPA Included on Inventory.

Philippines PICCS Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification

No SARA Hazards

EPA SARA Title III Section 313 (40 CFR 372) None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

Section 16 - OTHER INFORMATION

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 1

Flammability: 1

Physical hazard: 0

Personal protection: X

NFPA ratings Health: 1

Flammability: 1

Instability: 0

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