

HDIP INC

MATERIAL SAFETY DATA SHEET

ENDURable *CONCRETE STAIN*[™]

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: ENDURable Concrete Stain[™]

Product Use: Colorant

MSDS Prepared by: HDIP INC

Supplier: HDIP INC

Date Prepared: 9/4/12

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

Section 2 - COMPOSITION INFORMATION ON INGREDIENTS

<u>Chemical Identity</u>	<u>CAS Registry No.</u>
talc	14807-96-6
surfactant	9004-87-9
crystalline silica (quartz)	14808-60-7
ethylene glycol	107-21-1

Section 3 - HAZARDOUS IDENTIFICATION

WARNING!

HARMFUL OR FATAL IF SWALLOWED

HARMFUL IF INHALED

CAN CAUSE KIDNEY DAMAGE

CONTAINS CRYSTALLINE SILICA

CANCER HAZARD – CAN CAUSE CANCER

CAUSES EYE IRRITATION

AT ELEVATED TEMPERATURES, VAPOR MAY CAUSE IRRITATION OF EYES AND RESPIRATORY TRACT

CONTAINS ETHYLENE GLYCOL

HMIS® Hazard Ratings: Health – 2*, Flammability – 1, Chemical Reactivity – 0

These ratings involve data interpretations that can vary amongst companies. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered.

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: Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Section 5 - FIRE FIGHTING MEASURES

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Extinguishing media: water spray, dry chemical, carbon dioxide, alcohol foam

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

Unusual Fire and Explosion Hazards: none

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: Keep away from food, drink, and animal foodstuff. Keep container tightly closed. Keep away from moisture. Store in a cool place but keep from freezing.

Precautionary Measures: Do not taste or swallow this product. Do not breathe dust from this product. Avoid breathing mist or vapor from heated material. Avoid contact with eyes and prolonged or repeated contact with skin. Use only with adequate ventilation. Wash thoroughly after handling this product.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits have not been established and are not applicable unless listed below.

ETHYLENE GLYCOL, AEROSOL

US. ACGIH Threshold Limit Values

Ceiling Limit Value: 100 mg/m³

ETHYLENE GLYCOL

US. OSHA Table Z-1-A (29 CFR 1910.1000)

Ceiling Limit Value: 50 ppm, 125 mg/m³

ETHYLENE GLYCOL

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 50 ppm, 125 mg/m³

This data is no longer present in the Ariel database

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Ceiling Limit Value: 40 ppm, 100 mg/m³

TALC (CONTAINING NO ASBESTOS FIBERS)

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 2 mg/m³

TALC (CONTAINING NO ASBESTOS AND LESS THAN 1% QUARTZ), RESPIRABLE

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 2 mg/m³

SILICATES (LESS THAN 1% CRYSTALLINE SILICA)/TALC (CONTAINING NO ASBESTOS), RESPIRABLE DUST

US. OSHA Table Z-1-A (29 CFR 1910.1000)

Time Weighted Average (TWA): 2mg/m³

SILICATES (LESS THAN 1% CRYSTALLINE SILICA): TALC (NOT CONTAINING ASBESTOS)

US. OSHA Table Z-3 (29 CFR 1910.1000)

Listed

TALC (CONTAINING NO ASBESTOS), RESPIRABLE DUST

US. OSHA Table Z-1-A (29 CFR 1910.1000)

Time weighted average (TWA): 2 mg/m³. This data record is no longer present in the Ariel database

SILICATES (<1% CRYSTALLINE SILICA), TALC (CONTAINING NO ASBESTOS FIBERS), RESPIRABLE DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 2 mg/m³. This data record is no longer present in the Ariel database

SILICATES (<1% CRYSTALLINE SILICA): TALC (CONTAINING NO ASBESTOS FIBERS), RESPIRABLE DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 2 mg/m³

SILICA – CRYSTALLINE, QUARTZ, RESPIRABLE PARTICULATE

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 0.05 mg/m³

SILICA, CRYSTALLINE, CRISTOBALITE (AS RESPIRABLE DUST) SILICA, CRYSTALLINE, QUARTZ (AS RESPIRABLE DUST) SILICA, CRYSTALLINE, TRIDYMIT (AS RESPIRABLE DUST) SILICA, CRYSTALLINE, TRIPOLI (AS RESPIRABLE DUST)

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 0.05 mg/m³

SILICA, CRYSTALLINE QUARTZ, RESPIRABLE DUST

US. OSHA Table Z-1-A (29 CFR 1910.1000)

Time Weighted Average (TWA): 0.1 mg/m³

SILICA : CRYSTALLINE QUARTZ (RESPIRABLE)

US. OSHA Table Z-3 (29 CFR 1910.1000)

SILICA: CRYSTALLINE QUARTZ (TOTAL DUST)

US. OSHA Table Z-3 (29 CFR 1910.1000)

SILICA, CRYSTALLINE QUARTZ, RESPIRABLE DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 0.1 mg/m³. This data record is no longer present in the Ariel database

SILICA, CRYSTALLINE: QUARTZ, RESPIRABLE DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 0.1 mg/m³

SILICA, CRYSTALLINE: QUARTZ, TOTAL DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 0.3 mg/m³

SILICA, CRYSTALLINE, QUARTZ, TOTAL DUST

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 0.3 mg/m³. This data record is no longer present in the Ariel database

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

NOTE: Some countries might not have established exposure limits.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: organic vapor high efficiency particulate aerosol (HEPA)

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. Contact glove manufacturer for specific information.

Recommended Decontamination Facilities: eye bath, washing facilities

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid

Specific Gravity: > 1

Odor: slight

Flash Point: not applicable, combustible solid when dry

Thermal Decomposition Temperature: Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

Solubility in Water: appreciable

Section 10 - STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Stability: Stable.

Incompatibility: Material reacts with strong oxidizing agents.

Section 11 - TOXOLOGICAL INFORMATION

A component of this material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported.

Ingestion of this product may cause adverse reproductive effects such as birth defects, miscarriages, or infertility based on animal data.

Section 12 - ECOLOGICAL INFORMATION

There is no data available on the product itself. It should not be allowed to enter water courses or be deposited anywhere that may affect waterways.

Section 13 - DISPOSAL CONSIDERATIONS

Since emptied containers retain product residue, follow label warnings even after container is emptied. Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

Section 14 - TRANSPORT INFORMATION

DOT (USA): Class not regulated. **ICAO Status:** Class not regulated. **IMDG Status:** Class not regulated

Marine pollutant components: none unless listed in section 15.

Section 15 - REGULATORY INFORMATION

WHMIS (Canada) Status: controlled. **WHMIS (Canada) Hazard Classification:**

D/1/B. **SARA 311-312 Hazard Classifications:**

Immediate (acute) health hazard

Delayed (chronic) health hazard
SARA 313:
ETHYLENE GLYCOL

Carcinogenicity Classification (components present at 0.1% or more):

IARC (International Agency for Research on Cancer):

Crystalline silica (quartz): carcinogenic to humans

ACGIH (American Conference of Government Industrial Hygienists):

Crystalline silica (quartz): suspected human carcinogen

NTP (National Toxicology Program):

Crystalline Silica (quartz): reasonably anticipated to be a carcinogen

Section 16 - OTHER INFORMATION

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.