



Making Dream Surfaces Attainable

## SAFETY DATA SHEET

### TERRADO

#### 1. PRODUCT IDENTIFICATION

Common Name: Terrado (For the purposes of this SDS, the term " Terrado " encompasses all types of Terrado products manufactured/sourced by M S International, Inc.)

Company Name: M S International, Inc.

Address: Corporate Office (714) 685-7500  
2095 N Batavia St, Orange, CA 92865

Emergency Assistance: ChemTel Inc. (24/7/365, multilingual): 1-800-255-3924

Recommended Use: Building Material - Terrado - products manufactured/sourced by M S International are environmentally preferable building materials when compared to other floor/wall coverings. Should you desire additional information, please direct your inquiry to the address above.

This document has been prepared in accordance with the Occupational Safety and Health Administration (OSHA) Hazard Communication standard, 29 Code of Federal Regulations (CFR) 1910.1200(g), Safety Data Sheets.

#### 2. HAZARDS IDENTIFICATION

Terrado product is a mixture of raw material. The finished products are odorless, stable, non-flammable, and pose no immediate hazard to health. Respiratory, hand, and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting product during installation or by any other operations, including demolition/removal projects.

Emergency Overview: Danger! Lung injury and cancer hazard

GHS Classification (Global Harmonized Standard Classification):

Carcinogenicity Category 1A (H350)

Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 (H335)

Specific target organ toxicity, repeated exposure - Category 1A (H372)

GHS Label, Hazards and Precautionary Statements

GHS Pictogram:

Crystalline Silica:  Category 3 (Respiratory tract irritation) (H335)



Categories 1A(Carcinogenicity)(H372)

Label Signal Word: Danger

Hazard Statements:

(H350) May cause CANCER (inhalation)

(H335) May cause respiratory irritation

(H372) Causes damage to organs (lung/respiratory) through prolonged or repeated exposure (inhalation)

## 2. HAZARDS IDENTIFICATION (CONT)

### Precautionary Statements:

- Do not handle until all safety precautions have been read and understood. (P202)
- Do not breathe dust/spray. (P260 + P261)
- Wash skin thoroughly after handling. (P264)
- Do not eat, drink, or smoke when using this product. (P270)
- Cut/grind/chip product in a well-ventilated area or use a wet saw (P271)
- Wear protective gloves, protective clothing, eye protection, face protection. (P280)

### Potential Health Effects:

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. (P304)
- IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing until pain or irritation subsides. (P305 + P351 + P338)
- IF SYMPTOMS PERSIST: Get medical advice/attention. (P308 + P313)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Under normal conditions these products do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary.

Composition	CAS#	Estimated % by Wt.
Sand	CAS: 14808-60-7	54 - 70
Portland cement	CAS: 65997-15-1	24 - 30
Lightweight aggregates	CAS: 12141-46-7	2.8 - 7
Mineral oxide colours	CAS: 1309-37-1	0 - 2

## 4. FIRST AID MEASURES

- Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes if dust gets in eyes. Get medical attention if irritation persists.
- Skin: Wash thoroughly after working with product. Get medical attention if irritation persists.
- Inhalation: Remove to fresh air if exposed to large amount. Get medical attention if irritation persists.
- Ingestion: Monitor the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if irritation persists.

Have emergency eyewash station available in area where products are cut.

## 5. FIRE-FIGHTING MEASURES AND INFORMATION

- Flash Point (Method Used): Not applicable
- Autoignition Temperature: Not applicable
- Flammable Limits (% by Volume in Air): LEL - not applicable  
UEL - not applicable
- Fire Extinguishing Media: None required Non-flammable
- Special Fire Fighting Procedures: None required
- Fire and Explosion Hazards: None

## 6. ACCIDENTAL RELEASE MEASURES

Dust from dry cutting, sawing, grinding, sanding or drilling of this material will settle out of the air. Avoid creating excessive dust and place into a suitable container for disposal as a non-hazardous waste.

Clean up dust with a vacuum system with a High-efficiency particulate (HEPA) air filter vacuum or damp sweeping. Dispose as non-hazardous waste. Wear appropriate PPE during clean-up, see section 8.

## 7. HANDLING AND STORAGE

Handling: No special procedures required for this material. Note: When cutting, grinding or removing, use equipment with integral dust collection and/or use local exhaust ventilation. Use wet cutting methods to reduce generation of dust. Use respiratory protection in the absence of effective engineering controls.

Storage: No special procedures required.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Exposure Table

Composition	OSHA PEL	Units
Portland cement - total dust	15 milligrams per cubic meter of air	mg/m <sup>3</sup>
- respirable dust	5 milligrams per cubic meter of air	mg/m <sup>3</sup>

Ref: OSHA 3351-07 2008, Preventing Skin Problems from Working with Portland Cement

### 8.2 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhalation of dust. The highest probability of exposure occurs during installation using dry cutting methods or during removal. Wet cutting methods are recommended.

Respiratory Protection: Use of a properly fitted NIOSH approved particulate respirator is recommended when cutting products for installation or during the removal of installed product.

Eye Protection: Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.

Skin Protection: Butyl or nitrile gloves (rather than cotton or leather gloves) are frequently recommended for caustic materials such as Portland cement. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted.

NOTE: Personal protection information in Section 8 is based on general information for normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the assistance of an industrial hygienist or other qualified professional be obtained.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cured concrete product of various shapes, sizes and colours
Odor:	Odorless
Melting Point:	Not Available
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air = 1):	Not applicable
Solubility in Water:	Not applicable
Specific Gravity (H <sub>2</sub> O = 1):	Not applicable
Percent Volatile by Volume:	Not applicable
Evaporation Rate (Ethyl Ether = 1):	Not applicable
Viscosity:	Not applicable

## 10. STABILITY AND REACTIVITY

Stability:	Stable in current form.
Conditions to Avoid:	Avoid dispersion of dust in the air
Incompatibility:	None identified
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None identified

## 11. TOXICOLOGICAL INFORMATION

### Potential Health Effects

#### Primary Routes of Exposure

Inhalation and potential exposure to eyes, hands, or other body parts if contact is made with broken product, and/or during procedures involving the cutting of products, and/or for operations involving the removal of installed products.

Dust from cutting and drilling may cause irritation to the eyes and skin.

Ingestion may cause irritation to the throat, stomach and gastrointestinal tract.

Inhalation may cause coughing, nose and throat irritation, and sneezing. Long term exposure may cause damage to organs (lung/respiratory) through prolonged or repeated exposure. See section 2.

Higher exposure may cause difficulty in breathing, congestion, and chest tightness.

**12. ECOLOGICAL INFORMATION**

No information available at this time.

**13. DISPOSAL CONSIDERATIONS**

Non-hazardous solid waste. Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION**

D.O.T Shipping Name:	Not applicable
Hazard Class:	Non-regulated
ID Number:	Not applicable
Marking:	Not applicable
Label	None
Placard:	None
Hazardous Substance/RQ:	Not applicable
Shipping Description:	Terrado products
Packaging References:	None

**15. REGULATORY INFORMATION**

Not regulated

**16. ADDITIONAL INFORMATION**

Information given applies only to Terrado, may not be valid when the product is use in combination with other products.