

SAFETY DATA SHEET

DATE ISSUED :	1/3/2019
SDS REF. No :	1417

1417 Ecobond® Lead Defender® Original

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 1417 Ecobond® Lead-Defender® Original

24 HR. EMERGENCY TELEPHONE NUMBER
Chem-Tel (US Transportation): (800)255-3924
Chem-Tel (International: 1(813)248-0585
Transportation)

PRODUCT CODE: 1417

MANUFACTURER

Ecobond LBP, LLC
14045 W. 66th Avenue
Arvada, CO 80004
Emergency # 888-435-6645

2. HAZARDS IDENTIFICATION

CLASSIFICATION: Carcinogenicity Category 2B
Eye Irritant, Category 2B
Skin Irritant, Category 2

PICTOGRAMS



SIGNAL WORD: Warning

HAZARD STATEMENT: Suspected of causing cancer, under extreme exposure limits such as sanding or cutting of dried coating. Cause eye irritation. Cause skin irritation.

PRECAUTIONARY STATEMENTS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/attention. Store locked up.

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	Weight %	CAS Number
Titanium dioxide	4.6	13463-67-7

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM." **Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint". This is typical of paints containing titanium dioxide.**

4. FIRST AID MEASURES

EYES: Remove any contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners

INGESTION: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting

INHALATION: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire

UNSUITABLE EXTINGUISHING MEDIA: None known

FIRE FIGHTING PROCEDURES: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving an personal risk or without suitable training.

COMBUSTION PRODUCTS: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

LAND SPILL: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

PERSONAL PRECAUTIONS: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

EMERGENCY PRECAUTIONS: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. see also the information in "For non-emergency personnel".

METHOD OF CLEANING UP: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined area. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

ADVISE ON GENERAL OCCUPATIONAL HYGIENE: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:

NL = Not Listed

ENGINEERING CONTROLS: If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

WORK HYGIENIC PRACTICES: Not Applicable

OTHER USE PRECAUTIONS: Not Applicable

Exposure Guidelines: Titanium dioxide: Guideline ACGIH: TLV-TWA: 10mg/m³ 8 hours, OSHA (United States 6/2016) TWA: 15mg/m³ 8 hours Form: Total Dust

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid

Density: 10.16

COLOR: Not Applicable

Coating VOC%: 31

pH : 8.0 to 9.5

Material VOC%: 10

BOILING POINT: 100 C (212 F)

SPECIFIC GRAVITY: 1.12

% VOLATILE: Not Applicable

Solid wt%: 42

Solid vol%: 31

10. STABILITY AND REACTIVITY

STABLE: Product is Stable.

CONDITIONS TO AVOID: None on normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INCOMPATIBLE MATERIALS: No materials under normal conditions.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Not Applicable

EYE: Not available

INGESTION: Not available

TARGET ORGAN: Not available

CHRONIC EFFECTS: Possible carcinogen; application of this product pose no hazards as to the release of respirable titanium dioxide dust.

Titanium dioxide IARC: Group 2B: Possible carcinogenic to humans. Based on inhalation studies in rats exposed to fine or ultrafine particles (dust) of titanium dioxide.

DELAYED AND IMMEDIATE EFFECTS: Not Applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity: May be harmful to fish, livestock and wildlife. Prevent release of this product into waterways and other natural environments.

**Persistence/
Degradability:** Not available

**Bioaccumulation/
Accumulation:** Not available.

Mobility: Not available.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS PRODUCT/PACKAGING DISPOSAL:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures.

RECOMMENDATIONS: Not Applicable

14. TRANSPORT INFORMATION

Additional information

DOT : None identified.

IMDG : None identified.

IATA : None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

United States

United States inventory (TSCA 8b) : All components are listed or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients
: No products were found.

SARA 311/312

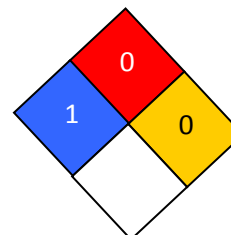
Classification : Delayed (chronic) health hazard.

Titanium dioxide: TSCA Inventory Status Listed
Canada DSL: Listed

16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	HMISR
Personal Protection :	HMISP

NFPA CODES



MANUFACTURER DISCLAIMER:

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Ecobond[®], and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the product. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that their activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product.

