

**1. IDENTIFICATION****Product identifier****Product Name** ChemSafe Lead Protect Lead Encapsulant Coating**Other means of identification****SDS #** DCI-061**Recommended use of the chemical and restrictions on use****Recommended Use** Lead paint encapsulating compound.**Details of the supplier of the safety data sheet****Supplier Address**Dumond, Inc.  
253 S. Bailey Road  
Downingtown, PA 19335**Emergency telephone number****Company Phone Number** 1-609-655-7700  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)**2. HAZARDS IDENTIFICATION****Appearance** White viscous liquid**Physical state** Liquid**Odor** Latex paint**Classification**

Skin sensitization	Category 1
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**Signal Word****Warning****Hazard statements**

May cause an allergic skin reaction

**Precautionary Statements - Prevention**Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves**Precautionary Statements - Response**IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Very toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Family** Coating.

Chemical name	CAS No	Weight-%
Titanium dioxide	13463-67-7	5-10
Texanol ester alcohol	25265-77-4	1-3
3(2H)-Isothiazolone, 2-octyl-	26530-20-1	<1
Sodium Nitrite	7632-00-0	<1
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	<1
Ammonium Hydroxide	7664-41-7	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****Description of first aid measures**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if necessary.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if necessary.
<b>Ingestion</b>	Rinse mouth. Get medical attention if necessary.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	May cause an allergic skin reaction. Direct contact with eyes may cause temporary irritation. Substance may cause slight skin irritation. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically. Persons with pre-existing kidney or liver disease may be at an increased risk from exposure to this material. Prolonged overexposure may result in kidney or liver damage. Prolonged overexposure to silica may result in a progressive disabling lung disease, silicosis, and increase the risk of lung cancer. Under normal use, no exposure to silica is expected.
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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Material may splatter at temperatures greater than 212 F.

**Hazardous combustion products** Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Keep containers closed when not in use. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Use personal protection recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Store locked up.

**Incompatible Materials** Strong oxidizing agents. Bases. Acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine TWA: 0.3 mg/m <sup>3</sup> CIB 63 ultrafine, including engineered nanoscale
Ammonium Hydroxide 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m <sup>3</sup> (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m <sup>3</sup>	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m <sup>3</sup> STEL: 35 ppm STEL: 27 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Apply technical measures to comply with the occupational exposure limits. Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Risk of contact: Wear approved safety goggles.

**Skin and Body Protection**

Wear neoprene gloves for prolonged contact.

**Respiratory Protection**

None needed under normal use conditions. If the TLV is exceeded, use a NIOSH approved organic vapor respirator with a dust/mist pre-filter.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Latex paint
<b>Appearance</b>	White viscous liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not determined		
<b>Melting point / freezing point</b>	Not determined		
<b>Boiling point / boiling range</b>	> 100 °C / >212 °F		
<b>Flash point</b>	Not applicable		
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Flammability Limit in Air</b>			
<b>Upper flammability or explosive limits</b>	Not applicable		
<b>Lower flammability or explosive limits</b>	Not applicable		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Relative Density</b>	1.24		
<b>Water Solubility</b>	Dispersible		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition temperature</b>	Not applicable		
<b>Decomposition temperature</b>	Not determined		
<b>Kinematic viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		

**Oxidizing Properties** Not determined

**Other information**

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible materials**

Strong oxidizing agents. Bases. Acids.

**Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Acrylic polymers.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not ingest.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
1,2 Propanediol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Texanol ester alcohol 25265-77-4	= 3200 mg/kg ( Rat )	> 15200 mg/kg ( Rat )	> 3.55 mg/L ( Rat ) 6 h
Polyalkylene Glycol 9003-13-8	= 5840 mg/kg ( Rat )	= 13340 mg/kg ( Rabbit )	-
Polyalkylene Glycol Monobutyl Ether 9038-95-3	= 5 g/kg ( Rat )	= 14100 µL/kg ( Rabbit )	= 147 mg/m <sup>3</sup> ( Rat ) 4 h
3(2H)-Isothiazolone, 2-octyl- 26530-20-1	= 550 mg/kg ( Rat )	= 690 mg/kg ( Rabbit )	-
Alcohols, C9-11 ethoxylated 68439-46-3	= 1400 mg/kg ( Rat )	-	-
Sodium Nitrite 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h

Ammonium Hydroxide 7664-41-7	= 350 mg/kg ( Rat )	-	= 2000 ppm ( Rat ) 4 h
Reaction mass of 5-chloro-2-methyl- 2H-isothiazol-3-one and 2-methyl- 2H-isothiazol-3-one (3:1) 55965-84-9	= 53 mg/kg ( Rat )	= 87.12 mg/kg ( Rabbit )	-
Bitrex 3734-33-6	= 584 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Direct contact with eyes may cause temporary irritation. May cause slight skin irritation. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** Titanium dioxide is a possible carcinogen when it appears as a respirable dust. Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered IARC group 2A carcinogens.

Chemical name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		X
Sodium Nitrite 7632-00-0		Group 2A		X

#### Legend

*IARC (International Agency for Research on Cancer)*

*Group 2A - Probably Carcinogenic to Humans*

*Group 2B - Possibly Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 13,271.7142 mg/kg  
 Dermal LD50 48,624.00 mg/kg  
 ATEmix (inhalation-dust/mist) 34.60 mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
1,2 Propanediol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41 - 47: 96 h Oncorhynchus mykiss m/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	1000: 48 h Daphnia magna mg/L EC50 Static
Texanol ester alcohol 25265-77-4	18.4: 72 h Pseudokirchneriella subcapitata mg/L EC50	30: 96 h Pimephales promelas mg/L LC50	
Sodium Nitrite 7632-00-0		0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.65 - 1: 96 h Oncorhynchus mykiss	

		mg/L LC50 static 0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 20: 96 h Pimephales promelas mg/L LC50 static	
Ammonium Hydroxide 7664-41-7		0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 0.44: 96 h Cyprinus carpio mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 1.19: 96 h Poecilia reticulata mg/L LC50 static 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50	25.4: 48 h Daphnia magna mg/L LC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
Texanol ester alcohol 25265-77-4	3.47
Sodium Nitrite 7632-00-0	-3.7

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Sodium Nitrite 7632-00-0	Toxic Ignitable Reactive

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG**  
**Marine Pollutant** This material may meet the definition of a marine pollutant

## 15. REGULATORY INFORMATION

### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Nepheline Syenite			X			X			
Titanium dioxide	X	ACTIVE	X	X	X	X	X	X	X
1,2 Propanediol	X	ACTIVE	X	X	X	X	X	X	X
Texanol ester alcohol	X	ACTIVE	X	X		X	X	X	X
Cellulose, 2-hydroxyethyl methyl ether	X	ACTIVE	X		X	X	X	X	X
Polyalkylene Glycol Monobutyl Ether	X	ACTIVE	X		X	X	X	X	X
Polyalkylene Glycol	X	ACTIVE	X	X		X	X	X	X
3(2H)-Isothiazolone, 2-octyl-	X	ACTIVE	X	X	X	X	X	X	X
Alcohols, C9-11 ethoxylated	X	ACTIVE	X		X	X	X	X	X
Sodium Nitrite	X	ACTIVE	X	X	X	X	X	X	X
Ammonium Hydroxide	X	ACTIVE	X	X	X	X	X	X	X
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			X		X	X	X	X	
Bitrex	X	ACTIVE	X	X	X	X	X	X	X

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ammonium Hydroxide 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372



**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Nitrite	100 lb			X
Ammonium Hydroxide	100 lb			X

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Titanium dioxide 13463-67-7	X	X	X
1,2 Propanediol 57-55-6	X		X
Sodium Nitrite 7632-00-0	X	X	X
Ammonium Hydroxide 7664-41-7	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2\*

**Flammability**

0

**Physical hazards**

0

**Personal Protection**

Not determined

**Chronic Hazard Star Legend**

\* = Chronic Health Hazard

**Issue Date:**

01-Jan-2011

**Revision Date:**

06-Jun-2022

**Revision Note:**

Reformulation

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**