



SAFETY DATA SHEET

Issue Date 01-Jan-2011

Revision Date 3-Mar-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Lead Stop

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 Chemicals, Inc.
83 General Warren Blvd
Suite 190
Malvern, PA 19355

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

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product

Appearance White viscous liquid

Physical State Liquid

Odor Latex paint

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Coating.

Chemical Name	CAS No	Weight-%
Titanium dioxide	13463-67-7	10-20
Aluminum Hydroxide	21645-51-2	5-15

Propylene Glycol	57-55-6	1-5
Ethylene glycol	107-21-1	1-5
Crystalline silica	112926-00-8	0-2

Chemical Additions

Contains 10-20% acrylic polymers

4. FIRST AID MEASURES

First Aid Measures

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

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	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

Note to Physicians	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	Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional ecological information.
<u>Methods and Material for Containment and Cleaning Up</u>	
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 Cleaning 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.
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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 ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Aluminum Hydroxide 21645-51-2	TWA: 1 mg/m ³ respirable fraction	-	-
Ethylene glycol 107-21-1	Ceiling: 100 mg/m ³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³	-
Crystalline silica 112926-00-8	-	(vacated) TWA: 6 mg/m ³ TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA	-

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.
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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

Physical State	Liquid	Odor	Latex paint
Appearance	White viscous liquid	Odor threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point/freezing point	Not determined	
Boiling point/boiling range	> 100 °C / >212 °F	
Flash point	Not applicable	
Evaporation rate	Not determined	
Flammability (solid, gas)	Not determined	
Flammability limits in air		
Upper flammability limits	Not applicable	
Lower flammability limit	Not applicable	
Vapor pressure	Not determined	
Vapor density	Not determined	
Specific gravity	1.24	
Water solubility	dispersible	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not applicable	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	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 (CO₂). Carbon monoxide. Acrylic polymers.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Aluminum Hydroxide 21645-51-2	> 5000 mg/kg (Rat)	-	-
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Ethylene glycol 107-21-1	= 4000 mg/kg (Rat)	= 9530 µL/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

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

Carcinogenicity Suspected of causing cancer. Titanium dioxide is a possible carcinogen when it appears as a respirable dust. Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		X
Crystalline silica 112926-00-8		Group 3		

Numerical Measures of Toxicity- Product

Not determined

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

ATEmix (oral)	10363 mg/kg
ATEmix (dermal)	164444 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene Glycol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50		10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static

Ethylene glycol 107-21-1	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	46300: 48 h Daphnia magna mg/L EC50
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Persistence and Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Chemical Name	Partition coefficient
Ethylene glycol 107-21-1	-1.93

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.

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

Not regulated

15. REGULATORY INFORMATION

International Inventories

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

US Federal Regulations

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene glycol - 107-21-1	107-21-1	1-5	1.0

SARA 311/312 Hazard Categories

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

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
Propylene Glycol 57-55-6	X		X
Ethylene glycol 107-21-1	X	X	X
Crystalline silica 112926-00-8	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2*	0	0	Not determined

Chronic Hazard Star Legend

* = Chronic Health Hazard

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Revision Note	New format

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