

SAFETY DATA SHEET



DATE PRINTED	6/2/2016
SDS REF. No :	MM-225

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: POLYURETHANE GRAY OXIDE PRIMER
15 MINUTES
Product Code: MM-225

Manufacturer
LANCO MFG. CORP.
URB. APONTE # 5

SAN LORENZO, PUERTO RICO, 00754
787-736-4221

24 HR. Emergency Telephone Number
CHEMTREC (US Transportation): 1 (800)424-9300
CHEMTREC (International Transportation): 1(703)527-3887

2. HAZARDS IDENTIFICATION

Classification (substance or mixture):

3 Category (Flammable liquid)
2 Category - Possible carcinogenicity (Titanium Dioxide)

GHS Label Elements:



Signal Word: Warning

Hazard Statements:

H226 Flammable liquid and vapor.
H351 Suspected of causing cancer .

Precautionary Statement:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Magnesium Silicate	20% to 30%	14807-96-6
Naphtha Aliphatic Light	10% to 20%	64742-89-8
Modified Alkyd Resin	10% to 20%	MIXTURE
Titanium Dioxide	0.05% to 10%	13463-67-7
Oil Modified Polyurethane	0.05% to 10%	MIXTURE
Naphtha Aliphatic Light	0.05% to 10%	64742-89-8
*Aromatic Hydrocarbon	0.05% to 10%	64742-94-5
*Organic Ethylene Complex	0.05% to 10%	MIXTURE
*Methylbenzene	0.05% to 10%	108-88-3
Zirconium Carboxylate	0.05% to 10%	22464-99-9
*Cobalt 2-ethylhexanoate	0.05% to 10%	136-52-7

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

4. FIRST AID MEASURES

Eyes: In case of eye contact, flush with large amount of water for at least 15 minutes. Get medical assistant.

Skin: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persist.

Ingestion: Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

Notes To Physician: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbone Dioxide, Dry Chemical, Foam, Water Fog.

Unsuitable Extinguishing Media: None

Specific Hazard In Case Of Fire: Closed containers may explode when exposed to extreme heat. Vapor may form explosive mixture with air. No unusual fire or explosion hazard noted. Keep containers closed when not in use.

Special Protective Equipment And Precaution For Fire Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental Precautions: Do not allow spill to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Promptly remove soiled clothing and wash thoroughly before reuse.

Method And Materials For Containment And Cleaning Up: Eliminate ignition source, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

Collect absorbent/absorbent water/spilled liquid mixture into metal containers and add enough water to cover. Consult local state and federal hazardous regulation before disposing into approved hazardous waste landfills. Obey relevant law.

7. HANDLING AND STORAGE

Precaution For Safe Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mist or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions For Safe Storage, Including Incompatibilities: Handle containers carefully to prevent damage and spillage. Incompatible materials: Alkaline materials, strong acid and oxidizing materials.

Store in original containers at temperatures between 5 °C and 25 °C. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Keep containers tightly closed. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Exposure Limits

Components	CAS	Limits
Magnesium Silicate	14807-96-6	NIOSH TWA 2 mg/m ³ Respirable dust OSHA TWA 2 mg/m ³ Respirable dust ACGIH TWA 2mg/m ³ Respirable fraction
Naphtha Aliphatic Light	64742-89-8	OSHA P0 twa 400 ppm OSHA Z1 twa 500 ppm
Modified Alkyd Resin	MIXTURE	VM&P Naphtha CAS#8032-32-4 (34-36%) TWA 300 ppm , TWA 1400 mg/m ³ *Toluene CAS#108-88-3 (1.5-3.5%) ACGIH -TLV 20 ppm TWA , OSHA PEL 200 ppm TWA
Titanium Dioxide	13463-67-7	OSHA PEL 15 mg/m ³ TWA (Dust) ACGIH TLV 10 mg/m ³ TWA (Dust)
Aromatic Hydrocarbon	64742-94-5	Naphthalene cas# 91-20-3 (2.5-10%) OSHA PEL 50mg/m ³ , 10ppm REL 75 mg/m ³ , 15ppm ACGIH 50 mg/m ³ , 10ppm 1,2,4-Trimethylbenzene cas# 95-63-6 (<2.5%) REL 125mg/m ³ , 25ppm ACGIH 123 mg/m ³ , 25ppm
Organic Ethylene Complex	MIXTURE	*Ethyl benzene cas#100-41-4 OSHA PEL 435 mg/m ³ , OSHA TWA 100ppm , ACGIH STEL 125ppm *Xylene (mixed isomers) cas#1330-20-7 OSHA PEL 435mg/m ³ , OSHA TWA 100ppm , ACGIH STEL 651mg/m ³
Methylbenzene	108-88-3	OSHA PEL 100 ppm ACGIH TLV 50 ppm

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to

control airborne levels. Where such system are not effective wear suitable personal protective equipment, which performs satisfactorily and meet OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal Protective Equipment:

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eyes Protection: Safety glasses with side-shields.

Skin Protection: Chemical -resistance gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Work Hygienic Practices: Ensure shower and eyewash station are available. Use good personal hygiene practices. Wash hand before eating, drinking. Promptly remove soiled clothing and wash thoroughly before reuse.

Other Use Precautions: None

Comments: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Gray

Flash Point And Method: 50 °F Set-a-flash

Auto-Ignition Temperature: Not available

Boiling Point/Range: 279 °F - 380 °F

Melting Point: Not available

Vapor Pressure: Not available

Vapor Density: Heavier than Air

Solubility in Water: Insoluble

Odor: Solvent odor

Upper /Lower Flammable Limits: Not applicable TO No information available.

Relative Density (g/cm³): 1.3059

Evaporation Rate: Slower than Ether

Flammability (Solids, Gas): Not available

Partition Coefficient: Not available

pH: Not applicable

Decomposition Temperature: Not available

Coating VOC (gm/l): 432

Material VOC (gm/l): 430

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Possibility Of Hazardous Reactions: None under normal condition of use.

Conditions To Avoid: Poor ventilation.

Materials To Avoid: Keep away from the following materials to prevent strong exothermic reaction: oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Signs And Symptoms Of Overexposure: No information available.

Acute Effects:

Eye Contact: Cause serious eyes irritation.

Skin Contact: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. Allergic reactions are possible.

Inhalation: Harmful if inhaled. High vapor concentration is irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

Target Organ: No information available.

Chronic Effects: No information available.

Toxicity Values: The acute effects of this product have not been tested. Data on individual components are tabulated below.

TOXICOLOGICAL INFORMATION

Aromatic Hydrocarbon(64742-94-5)	
LD50 Rat Oral	490 mg/kg
LD50 Rat Dermal	5000 mg/kg
Methylbenzene(108-88-3)	
LD50 Rat. Oral	2600-7500 mg/kg
LD50 Rat Inhalation	8000 ppm 4 hrs.
LD50 Rabbit. Dermal	12124 mg/kg
Naphtha Aliphatic Light(64742-89-8)	
LD50 Rat. Oral	8000 mg/kg
LC50 Rat. Inhalation	3400 ppm 4hrs.
LD50 Rat. Dermal	<4000 mg/kg
Organic Ethylene Complex(MIXTURE)	
Ethylbenzene LD50 Dermal	17.8 g/kg Rat
LC50 Rat inhalation	17.2 mg/l, 4hrs
LD50 Rat oral	3.5-5.46 g/kg
Xylene LD50 Dermal	>5ml/kg Rat
LC50 Inhalation	6350 ppm, 4hrs Rat
LD50 Rat Oral	4.3 g/kg
Titanium Dioxide(13463-67-7)	
LD50 Oral	>10000 mg/kg
LD50 Dermal	>10000 mg/kg
LD50 Inhalation (Dust)	>6.82 mg/L

CARCINOGENICITY: The information below indicates whether each agency has listed any ingredient as a carcinogen:

Components	CAS	Carcinogen (IARC)
Naphtha Aliphatic Light	64742-89-8	2B Possible Human Carcinogen
Titanium Dioxide	13463-67-7	2B Possible Human Carcinogen
Methylbenzene	108-88-3	3

12. ECOLOGICAL INFORMATION

Persistence And Degradability: No information available.

Bio-Accumulative Potential: No information available.

Mobility In Soil: No information available.

Other Adverse Effects: No information available.

Eco-toxicological Other Information: No information available.

ECOLOGICAL INFORMATION

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13. DISPOSAL CONSIDERATIONS

Disposal Method: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and /or state and local guidelines.

14. TRANSPORT INFORMATION

	DOT	IMDG	AIR (IATA)
UN Number	UN1263	1263	1263

UN Proper Shipping Name	Paint, Flammable liquid	Paint	Paint
Hazard Class	3	3	3
Packing Group	II	II	II
Environmental Hazard	No	No	No
Marine Pollutant (Y/N)	No	No	No

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Hazardous Information

Fire: Yes

Pressure Generating: No

Reactivity: No

Acute: Yes

Chronic: Yes

313 Reportable Ingredients: This product contains a chemical or chemicals which are subject to the reporting requirements of section 313 of title 40 CFR 372.

313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
*Aromatic Hydrocarbon	6.4354	64742-94-5
*Organic Ethylene Complex	0.9167	MIXTURE
*Methylbenzene	0.609	108-88-3
*Cobalt 2-ethylhexanoate	0.1375	136-52-7

302/304 Emergency Planning

Emergency Plan: No

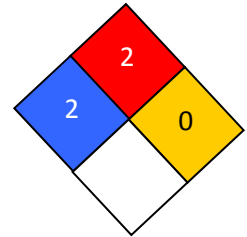
State Regulations: No

Other Govt. Regulations: No

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	2
Reactivity :	0
Personal Protection :	B

NFPA CODES



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Revision Indicator: None

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