

# SAFETY DATA SHEET



DATE PRINTED	5/9/2017
SDS REF. No :	VA-1744

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** MASTER - FLEX  
RD  
**Product Code:** VA-1744

**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):**  
2 Category - Possible carcinogenicity (Titanium Dioxide)

**GHS Label Elements:**



**Signal Word:** Warning

**Hazard Statements:**  
H351 Suspected of causing cancer .

**Precautionary Statement:**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P233 Keep container tightly closed.  
P281 Use personal protective equipment as required.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Water	50% to 60%	7732-18-5
Acrylic Polymer	20% to 30%	MIXTURE
Titanium Dioxide	0.05% to 10%	13463-67-7
Trimethyl Pentanediol Monoisobutyrate	0.05% to 10%	25265-77-4
4,4 dimethyloxazolidine	0.05% to 10%	51200-87-4
*3-Iodo-2-Propynyl Butyl Carbamate	0.05% to 10%	55406-53-6
*Ammonium Hydroxide Solution	0.05% to 10%	1336-21-6

\* 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:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** None

**Specific Hazard In Case Of Fire:** Hazardous decomposition. May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of metals listed in section 2.

**Special Protective Equipment And Precaution For Fire Fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-piece operated in positive pressure mode.

## 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
Titanium Dioxide	13463-67-7	OSHA PEL 15 mg/m <sup>3</sup> TWA (Dust) ACGIH TLV 10 mg/m <sup>3</sup> TWA (Dust)
Ammonium Hydroxide Solution	1336-21-6	OSHA 35 ppm, 27 mg/m <sup>3</sup> STEL, 15 minutes 25 ppm, 18 mg/m <sup>3</sup> PEL ACGIH 25 ppm, 18 mg/m <sup>3</sup> TLV, 8 hour TWA 35 ppm, 27 mg/m <sup>3</sup> STEL, 15 minutes

**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 deb 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:** White

**Flash Point And Method:** NA Not applicable

**Auto-Ignition Temperature:** Not available

**Boiling Point/Range:** Not Available

**Melting Point:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Solubility in Water:** Soluble in cold water.

**Odor:** Little or no odor

**Upper /Lower Flammable Limits:** Not applicable TO Not applicable

**Relative Density (g/cm<sup>3</sup>):** 1.089

**Evaporation Rate:** Not available

**Flammability (Solids, Gas):** Not available

**Partition Coefficient:** Not available

**pH:** 8.25 to 9.5

**Decomposition Temperature:** Not available

**Coating VOC (gm/l):** 52

**Material VOC (gm/l):** 11

## 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:** No information available.**Skin Contact:** No information available.**Inhalation:** No information available.**Ingestion:** No information available.**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**

3-Iodo-2-Propynyl Butyl Carbamate(55406-53-6)	
LD50 Dermal Rat	5000 mg/kg
LD50 Oral Rat	3129 mg/kg
Ammonium Hydroxide Solution(1336-21-6)	
LC50 Rat inhalation	4230-19960 mg/m3
LD50 Rat oral	350 mg/kg
Titanium Dioxide(13463-67-7)	
LD50 Dermal	>10000 mg/kg
LD50 Inhalation (Dust)	>6.82 mg/l
LD50 Oral	>10000 mg/kg

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

Components	CAS	Carcinogen (IARC)
Titanium Dioxide	13463-67-7	2B Possible Human Carcinogen

## 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

--	--

## 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)
<b>UN Number</b>	Not regulated	Not Regulated	Not Regulated
<b>UN Proper Shipping Name</b>	Not regulated	Not Regulated	Not Regulated
<b>Hazard Class</b>	Not regulated	Not Regulated	Not Regulated
<b>Packing Group</b>	Not regulated	Not Regulated	Not Regulated
<b>Environmental Hazard</b>	Not regulated	Not Regulated	Not Regulated
<b>Marine Pollutant (Y/N)</b>	Yes	Yes	Yes

## 15. REGULATORY INFORMATION

**U.S. Regulations:**

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

**311/312 Hazard Categories:** Hazardous Information

**Fire:** No

**Pressure Generating:** No

**Reactivity:** No    **Acute:** No    **Chronic:** No

**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**

<b>Chemical Name</b>	<b>Weight %</b>	<b>CAS</b>
*3-Iodo-2-Propynyl Butyl Carbamate	0.05% to 10%	55406-53-6
*Ammonium Hydroxide Solution	0.05% to 10%	1336-21-6

**302/304 Emergency Planning**

**Emergency Plan:** No

**State Regulations:** No

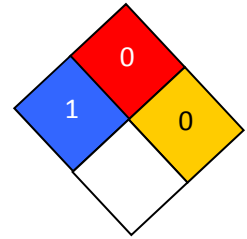
**Other Govt. Regulations:** No



## 16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	0
Personal Protection :	A

### NFPA CODES



DATE CREATED	05-09-17
--------------	----------

**Revision Indicator:** None

**Manufacturer Disclaimer:** The information contained herein is based on data believed by this company to be accurate, but we do not assume any liability for its accuracy. We neither suggest nor guaranteed that any hazards mentioned are the only ones which exist. The manner in which it is used and whether there is any infringement of patents is the sole responsibility of the user.