SAFETY DATA SHEET

DATE PRINTED	5/11/2017
SDS REF. No :	SS-895

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 100% RTV HIGH-TEMPERATURE SILICONE
SS-895

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):
No applicable GHS categories.

GHS Label Elements:

No information available.

Signal Word: No signal word.

Hazard Statements:
No GHS hazard statement

Precautionary Statement:
P271 Use only outdoors or in a well-ventilated area.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Silicon dioxide	<= 7.344	7631-86-9
Titanium dioxide	<= 2.24	13463-67-7

*Aluminium	<=1.575	7429-90-5
Carbon black	<=0.455	1333-86-4

* 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(CO2), Dry Chemical, Alcohol-resistant Foam, Water spray.

Unsuitable Extinguishing Media: None Known.

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 an 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: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

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: Do not get on skin or clothing. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from water. Protect from moisture. Take care to prevent spills, waste and minimize release to the environment.

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 ºC and 25 ºC. 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
Silicon dioxide	7631-86-9	TWA(DUST)(OSHA Z-3) 20 Million particles per cubic foot silica TWA(DUST)(OSHA Z-3) 80 mg/m^3/ % SiO2 (silica) TWA (NIOSH REL) 6 mg/m^3 (Silica)
Titanium dioxide	13463-67-7	TWA (Total Dust) 15 mg/m^3 OSHA Z-1 TWA 10 mg/m^3 (Titanium dioxide) ACGIH

Aluminium	7429-90-5	TWA (respirable) 5 mg/m^3 NIOSH REL TWA (Total) 10 mg/m^3 NIOSH REL TWA (total dust) 15 mg/m^3(Aluminum) OSHA Z-1 TWA (respirable fraction) 5 mg/m^3 OSHA Z-1 TWA (pyropowders) 5 mg/m^3(Aluminum) ACGIH
Carbon black	1333-86-4	TWA 3.5 mg/m^3 NIOSH REL TWA 3.5 mg/m^3 OSHA Z-1 TWA (Inhalable fraction) 3 mg/m^3 ACGIH

These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard: Silicon dioxide, Titanium dioxide and Carbon black.

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: Paste

Color: Red

Flash Point And Method: >100°C Closed Cup

Auto-Ignition Temperature: Not data available

Boiling Point/Range: Not applicable

Melting Point: Not data available

Vapor Pressure: Not applicable

Vapor Density: No data available

Solubility in Water: No data available

Odor: Acetic Acid

Upper /Lower Flammable Limits: No data available

Relative Density (g/cm3): 1.007

Evaporation Rate: Not applicable

Flammability (Solids, Gas): Not classified as a flammability hazard

Partition Coefficient: Not available

pH: Not applicable

Decomposition Temperature: Not available

Coating VOC (gm/l): Not applicable

Material VOC (gm/l): Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Possibility Of Hazardous Reactions: Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150°C (300°F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.

Conditions To Avoid: Exposure to moisture.

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

Hazardous Decomposition Products: Decomposition products may include the following materials: Thermal decomposition: Formaldehyde.

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

Silicon dioxide (7631-86-9)	
LD50 Rat oral	>3,300 mg/kg
LC50 Rat inhalation	>2.08 mg/l, 4hrs, dust mist
LD50 Rabbit Dermal	>5,000 mg/kg
Titanium dioxide (13463-67-7)	
LD50 Rat Oral	>5,000 mg/kg
LC50 Rat inhalation	>6.82 mg/l, 4 hrs, dust mist
Aluminium (7429-90-5)	
LD50 Rat Oral	>5,000 mg/kg
LC50 Rat inhalation	>0.888 mg/l,4hrs, dust mist

Carbon Black (1333-86-4)	
LD50 Rat Oral	>5,000 mg/kg
LC50 Rat inhalation	>0.0046 mg/l, 4 hrs, dust mist
LD50 Rabbit Dermal	>3,000 mg/kg

CARCINOGENICITY: Not classified based on available information.

Ingredients:

Titanium dioxide:

Species: Rat, **Application Route:** Inhalation, **Exposure time:** 24 Months, **Method:** OECD Test Guideline 453, **Result:** Positive, **Remark:** The mechanism or mode of action may not be relevant in humans. These substances are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Aluminium:

Species: Rat, **Application Route:** Inhalation, **Exposure time:** 86 Weeks, **Result:** Negative

IARC: Group 2B: Possibly carcinogenic to humans: Titanium dioxide 13463-67-7 and Carbon Black 1333-86-4.

OSHA: No ingredients of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.

NTP: No ingredients of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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

Titanium dioxide (13463-67-7)	
LC50 Fish (Oncorhynchus mykiss (rainbow trout))	>100 mg/l,96 hrs.,OECD Test Guideline 203
EC50 Daphnia (Daphnia magna (Water Flea)	>100 mg/l, 48 hrs. , OECD Test Guideline 202
EC50 Algae (Skeletonema costatum (marine diatom))	>10,000 mg/l, 72 hrs
EC50 microorganisms	>1,000 mg/l, 3 hrs.,OECD Test Guideline 209
Aluminium (7429-90-5)	
LC50 Fish NOEC (Salmo trutta (brown trout))	>80µg/l, 96 hrs.,OECD Test Guideline203
NOEC Daphnia and invertebrated (Daphnia sp. (Water Flea))	>0.135 mg/l,48hrs.,OECD Test Guideline 202
Carbon Black (1333-86-4)	
LC0 Fish (Danio rerio (zebra fish))	1,000 mg/l, 96 hrs.,OECD Test Guideline 203
EC50 Daphnia (Daphnia magna (Water Flea))	>5,600 mg/l, 24hrs., OECD Test Guideline 202
NOEC Algae (Desmodesmus subspicatus(Green algae))	10,000 mg/l, 72 hrs.,OECD Test Guideline 201

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	Not Regulated	Not Regulated	Not Regulated

UN Proper Shipping Name	Not Regulated	Not Regulated	Not Regulated
Hazard Class	Not Regulated	Not Regulated	Not Regulated
Packing Group	Not Regulated	Not Regulated	Not Regulated
Environmental Hazard	Not Regulated	Not Regulated	Not Regulated
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: No **Pressure Generating:** No
Reactivity: No **Acute:** No **Chronic:** No

313 Reportable Ingredients: The following components are subject to reporting levels established by SARA Title III, Section 313 is :

Chemical Name	Weight %	CAS Number
*Aluminium	<=1.575	7429-90-5

302/304 Emergency Planning

Sara 304 Extremely Hazardous Substances Reportable Quantity:
This material does not contain any components with a section 304 EHS RQ.

Emergency Plan: No

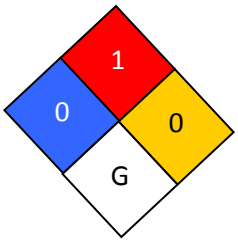
State Regulations: No

Other Govt. Regulations: No

16. OTHER INFORMATION

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

NFPA CODES



DATE CREATED	05-23-16

Revision Indicator: None

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