

SAFETY DATA SHEET



DATE PRINTED	5/11/2017
SDS REF. No :	SS-296

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MAXIMUS 100% RTV NEUTRAL SILICONE WINDOWS & DOORS
SS-296

Manufacturer
LANCO MFG.CORP.
URB. APONTE # 5

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

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

2. HAZARDS IDENTIFICATION

Classification (substance or mixture):

Category 1 Skin irritation

Category 2A Eyes irritation

Category 2 Target organ Systemic Toxicity (Repeated exposure(Oral))

GHS Label Elements:



Signal Word: Warning

Hazard Statements:

H313 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

Precautionary Statement:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling.

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

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/eye protection/face protection.

P302+ P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P388 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/container to and approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Silicon dioxide	$\geq 9 - \leq 11$	7631-86-9
Methyltri(ethylmethylketoxime)silane	$\geq 3 - \leq 4$	22984-54-9
Vinyltri (methylethylketoxime)silane	$\geq 0.4 - \leq 1.4$	2224-33-1
N-(3-(Trimethoxysilyl)propyl)ethylenediamine)	$\geq 0.29 - \leq 0.69$	1760-24-3
Methyltri(ethylmethylketoxime)silane isomers and oligomers	$\geq 0.31 - \leq 0.35$	Not Assigned

* 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 °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
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 / % SiO ₂ (silica) TWA (NIOSH REL) 6 mg/m ³ (Silica)
Ethyl Methyl Ketoxime	96-29-7	TWA (US WEEL) 10 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: Paste

Color: Colorless

Flash Point And Method: Not applicable

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: Slight

Upper /Lower Flammable Limits: No data available

Relative Density (g/cm³): 1.04

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. Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Hazardous decomposition products will be formed upon contact with water or humid air.

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: Contact with water or humid air: Ethyl Methyl Ketoxime and 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
Methyltri(ethylmethylketoxime)silane (22984-54-9)	

LD50 Rat Oral	>2,520 mg/kg
Vinyltri (methylethylketoxime)silane (2224-33-1)	
LC50 Rat Oral	>2,000 mg/kg
LD50 Rat Dermal	>2,000 mg/kg
N-(3-(Trimethoxysilyl)propyl)ethylenediamine(1760-24-3)	
LD50 Rat Oral	2,295 mg/kg
LC50 Rat inhalation	>1.49 mg/l , 4hrs
LD50 Rabbit Dermal	>2,000 mg/kg

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

IARC: No ingredients of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Methyltri(ethylmethylketoxime)silane (22984-54-9)	
LC50 Fish (Oncorhynchus mykiss (rainbow trout))	>120 mg/l,96 hrs.,OECD Test Guideline 203

EC50 Daphnia (Daphnia magna (Water Flea))	>120 mg/l, 48 hrs. , OECD Test Guideline 202
ErC50 Algae (Selenastrum capricornutum (green algae))	94 mg/l, 72 hrs. , OECD Test Guideline 201
Vinyltri (methylethylketoxime)silane (2224-33-1)	
LC50 Fish (Oncorhynchus mykiss (rainbow trout))	>120 mg/l, 96 hrs.,OECD Test Guideline203
LC50 Fish (Oryzais latipes (Orange-red killifish))	>100 mg/l,96 hrs.,OECD Test Guideline 203
N-(3-(Trimethoxysilyl)propyl)ethylenediamine(1760-24-3)	
LC50 Fish (Danio rerio (zebra fish))	597 mg/l, 96 hrs., Directive 67/548/EEC, Annex V,C.1.
EC50 Daphnia (Daphnia sp. (Water Flea))	81 mg/l 48hrs.,Directive 67/548/EEC, Annex V, C.1.
ErC50 Algae (Selenastrum carpicornutum (green algae))	8.8 mg/l, 72 hrs.,OECD Test Guideline 201
NOEC Algae (Selenastrum carpicornutum (green algae))	3.1 mg/l, 72 hrs.,OECD Testy Guideline 201
NOEC Daphnia and invertebrated (Daphnia sp. (Water Flea))	>1 mg/l, 16 hrs. , DIN 38 412 Part 8
EC50 Microorganisms (Pseudomonas putida)	67 mg/l, 16 hrs. , DIN 38 412 Part 8

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: Yes

Chronic: Yes

313 Reportable Ingredients: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

302/304 Emergency Planning

Sara 304 Extremely Hazardous Substances Reportable Quantity:

Chemical Name	Component RQ (lbs)	CAS
Ethylenediamine	5000	107-15-3

Emergency Plan: No

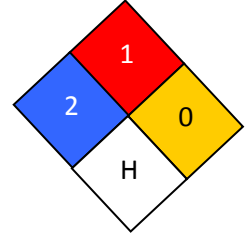
State Regulations: No

Other Govt. Regulations: No

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	1
Reactivity :	0
Personal Protection :	H

NFPA CODES



DATE CREATED	06-02-16
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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.