

SAFETY DATA SHEET



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SDS REF. No :	PU031-10

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: POLY FOAM SEALANT

Product Code: PU031-10

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 : 1(703)527-3887
Transportation)

2. HAZARDS IDENTIFICATION

Classification (substance or mixture):

2 Category Aerosol
4 Category Acute toxicity (inhalation:gas)
2 Category Skin corrosion/ irritation
2 Category Serious eye damage/eye irritation
1 Category Sensitization Respiratory
1 Category Sensitization Skin
2 Category Carcinogenicity
3 Category Specific target organ toxicity Single exposure
2 Category Specific target organ toxicity Repeat exposure

GHS Label Elements:



Signal Word: Danger

Hazard Statements:

H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H351 Suspected of causing cancer
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statement:

P102 Keep out of reach of children
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source
P251 Do not pierce or burn, even after use
P261 Avoid breathing gas, spray, vapours
P280 Wear eye protection, protective clothing, protective gloves, face protection
P284 In case of inadequate ventilation, wear respiratory protection
P302+P352 IF ON SKIN: Wash with plenty of water
P305+ P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P342+P311 If experiencing respiratory symptoms: Call a doctor, a POISON CENTER
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name (Mixture)	Weight %	CAS Number
Isocyanic acid, polymethylenepolyphenylene ester	20-35	9016-87-9
Isobutane	2.5-10	75-28-5
Propane	2.5-10	74-98-6

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

*Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substances is a specific isomer or a mixture of isomers.

*When put on the market gases have to be classified as 'Gases under pressure"', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

4. FIRST AID MEASURES

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/ attention.

Ingestion: Call a poison center or a doctor if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Notes To Physician: If exposed or concerned: Get medical advice/ attention. Call a poison center or a doctor if you feel unwell.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire. Water spray. Dry powder, Foam.

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: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Conditions For Safe Storage, Including Incompatibilities: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Exposure Limits

Germany	Local name	pMDI
Germany	Trgs 900 Occupational exposure limit value (MG/M ³)	0.05 MG/M ³
Germany	Remark (TRGS 900)	Dfg,h,Sah,Y,12
DNEL/DMEL (WORKERS)	≈mg/kg bodyweight/day	

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: Gas

Appearance: Light under pressure

Color: Light yellow

Flash Point And Method: 0°C Not applicable

Auto-Ignition Temperature: Not available

Boiling Point/Range: Not Available

Melting Point: Not available

Vapor Pressure: 5 bar

Vapor Density: Not available

Solubility in Water: Not available

Odor: Characteristic

Upper /Lower Flammable Limits: Not applicable TO Not applicable

Relative Density (kg/m³): 19-25 kg/m³

Evaporation Rate: Not available

Flammability (Solids, Gas): Extremely flammable aerosol

Explosive Properties: Pressurised container: May burst if heated

pH: Not available

Decomposition Temperature: Not available

Material VOC (g/l): < 2 g/l

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Possibility Of Hazardous Reactions: No dangerous reactions known under normal condition use.

Conditions To Avoid: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Materials To Avoid: No additional information available.

Reactivity: Extremely flammable aerosol. Pressurised container: May burst if heated.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Inhalation gas: Harmful if inhaled

ATE CLP (GASES): 12857.143 PPMV/4H

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

Carcinogenicity: Suspected of causing cancer.

Reproductive Toxicity: Not classified

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard: Not classified

Vaporizer: Aerosol

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

*This product is not considerate harmful to aquatic organism or to cause long-term adverse effects in the environment.

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	1950	1950	1950
UN Proper Shipping Name	AEROSOLS	AEROSOLS	Aerosol, flammable
Hazard Class	2.1	2.1	2.1
Packing Group	Not applicable	Not applicable	Not applicable
Environmental Hazard	No	No	No
Marine Pollutant (Y/N)	No	No	No

SPECIAL PRECAUTIONS FOR USER

Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP02
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR): V14
Special provisions for carriage - Loading, unloading and handling (ADR): CV9,CV12
Special provisions for carriage - Operation (ADR): S2
Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP02
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69
MFAG-No : 126

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5F
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP02
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages (RID): W14
Special provisions for carriage - Loading, unloading and handling (RID): CW9, CW12
Colis express (express parcels) (RID): CE2
Hazard identification number (RID): 23

15. REGULATORY INFORMATION

15.1.1 E.U. Regulations:

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content: < 2 g/l

15.1.2. National regulations

Germany

Annex reference: Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed.

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed.

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

Denmark

Class for fire hazard: Class I-1

Store unit: 1 liter

Classification remarks: F <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed.

Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product. Pregnant/breastfeeding women working with the product must not be in direct contact with the product. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material. The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal. The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal.

16. OTHER INFORMATION

EUH-STATEMENTS:	
ACUT.TOX 4	Acute toxicity (inhalation) Category 4
ACUT.TOX 4	Acute toxicity (inhalation: gas) Category 4
AEROSOL 1	Aerosol ,Category 1
CARC.2	Carcinogenicity, Category 2
EYE IRRIT.2	Serious eye damage/eye irritation Category 2
FLAM. GAS 1	Flammable gases, Category 1
PRESS.GAS	Gases under pressure
RESP.SENS.1	Sensitization, Respiratory, Category 1
SKIN IRRIT.2	Skin corrosion/irritation, Category 2
SKIN SENS.1	Sensitization , Skin Category 1
STOT RE2	Specific target organ toxicity (repeat exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3 Respiratory tract irritation
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H229	Pressurised container : May burst if heated
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
EUH204	Contains isocyanates. May produce an allergic reaction.

Revision Indicator: None

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